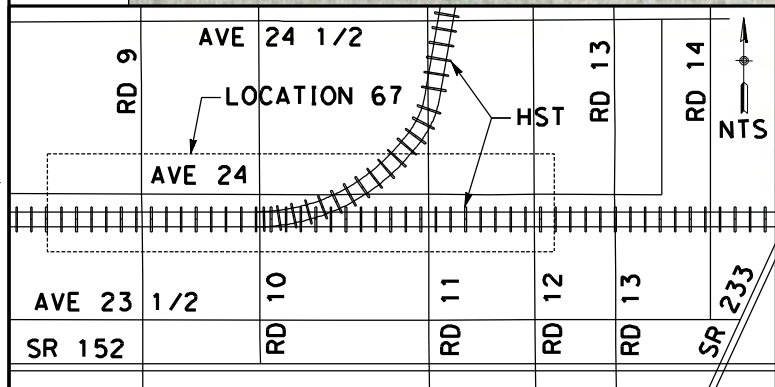
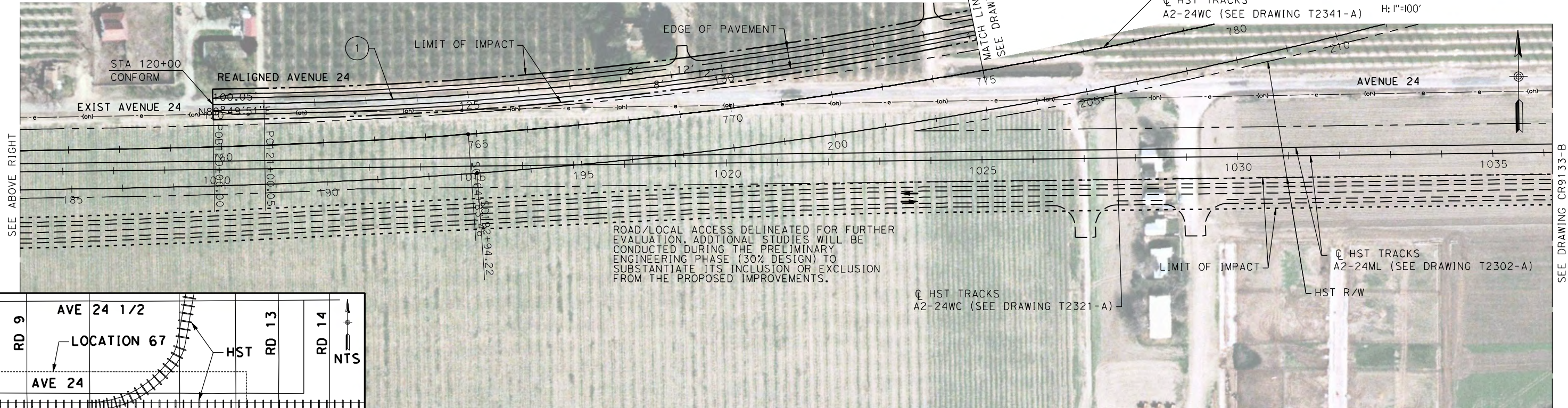
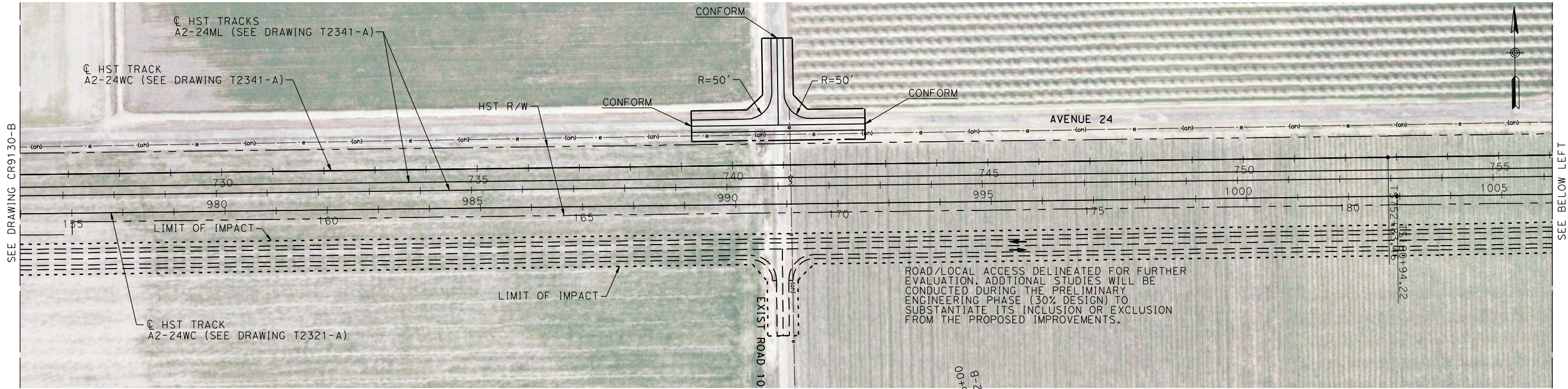


4/27/2011 7:04:03 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye & w. chowchilla\layout\CR9131-B.dgn

ReyesC1



CURVE DATA				
No.	R	$\Delta$	T	L
(1)	7500.00	18° 41' 5"	1233.88	2445.84

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**

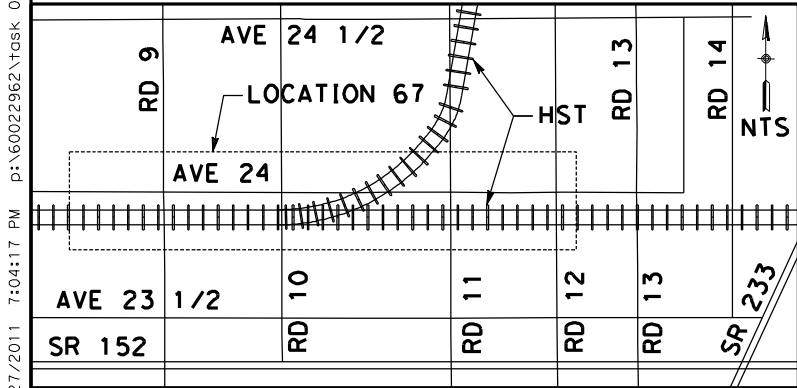


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
UPRR/SR99 MAINLINE/WYE - (AVE 24)  
SOUTH FRONTAGE ROAD  
LAYOUT  
STA 120+00 TO 135+00

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9131-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###



4/27/2011 7:04:17 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye-w.chowchilla local roads\Layout\CR9132-B.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

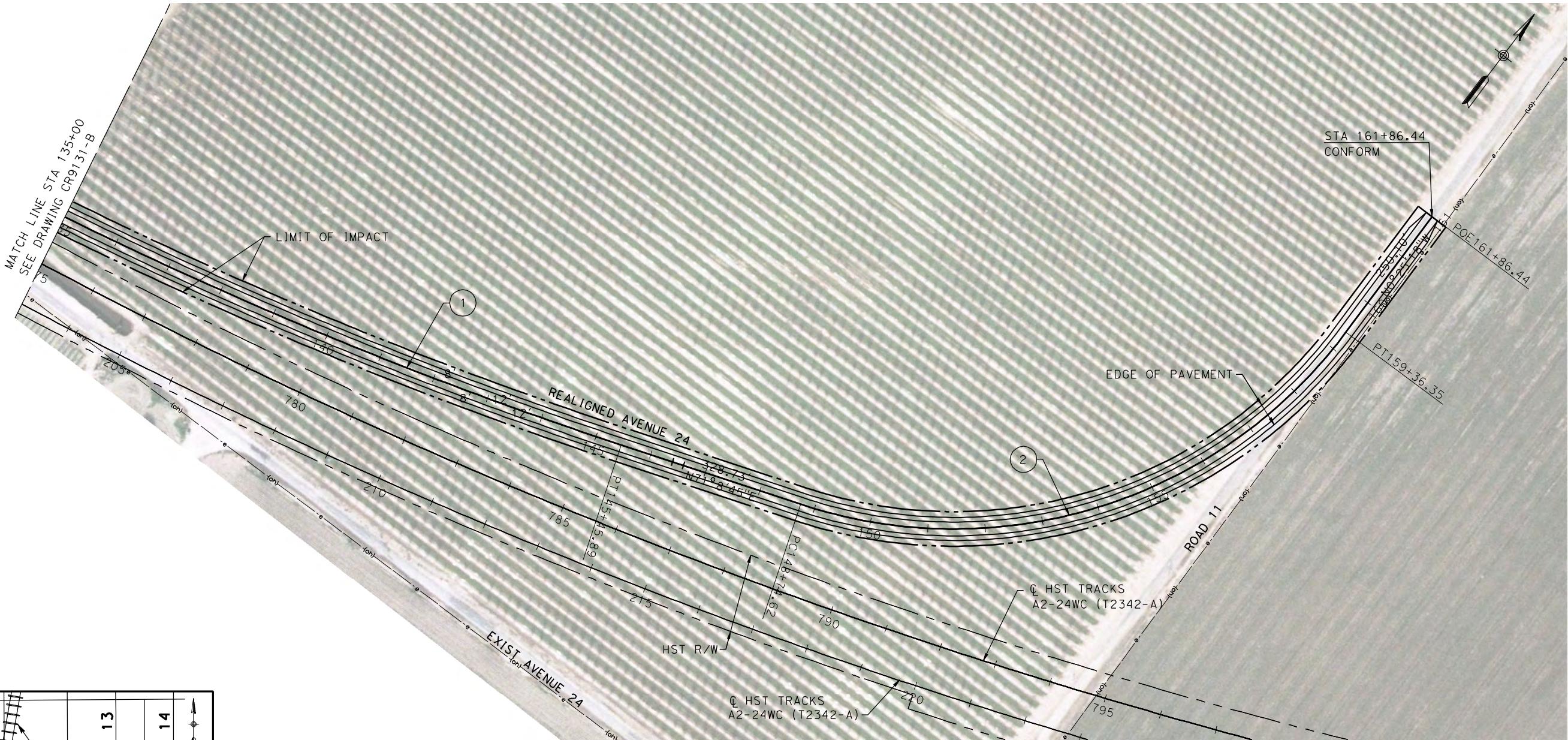
RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**

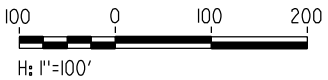


**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**  
UPRR/SR99 WYE - (AVE 24)  
SOUTH FRONTAGE ROAD AVENUE 24  
LAYOUT  
STA 135+00 TO STA 161+86.44

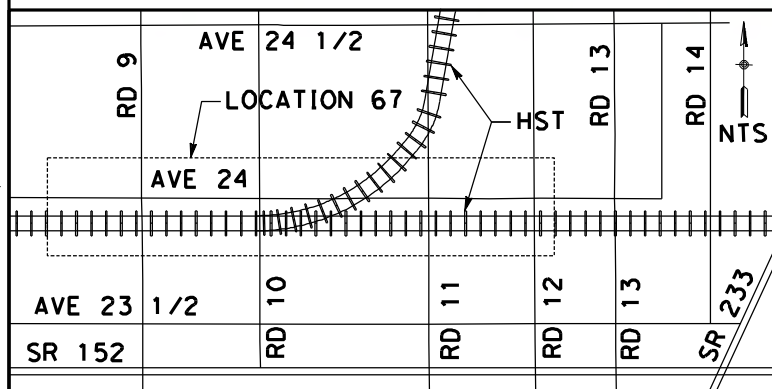
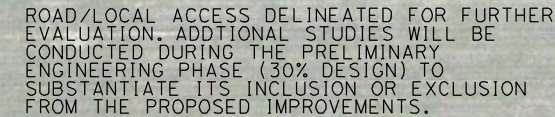
CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9132-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###



CURVE DATA				
No.	R	$\Delta$	T	L
①	7500.02	18°41'5"	1233.88	2445.84
②	850.00	71°34'4"	612.68	1061.73







REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	D. AYELE
DRAWN BY	C. DELOS REYES
CHECKED BY	A. SILVER
IN CHARGE	A. BOONE
DATE	04/29/2011

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811

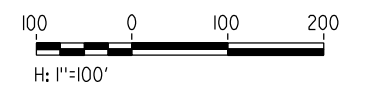
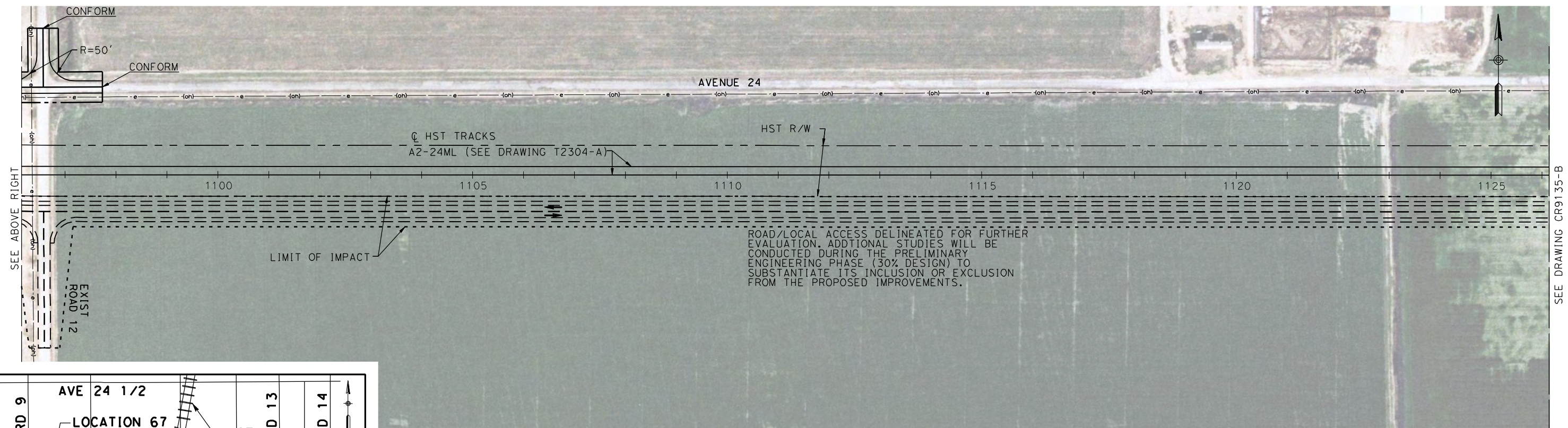
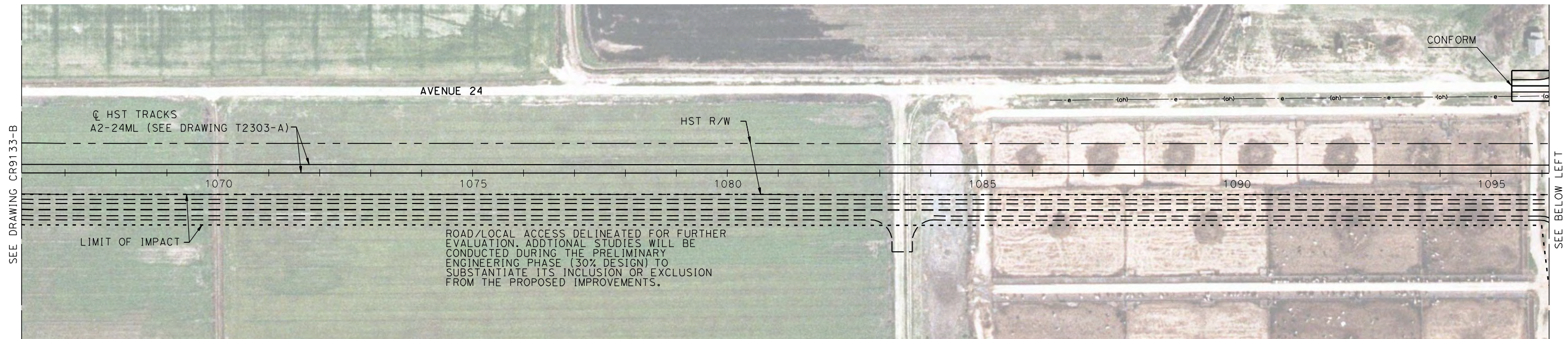
**CH2MHILL**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**  
UPRR/SR99 MAINLINE - (AVE 24)  
SOUTH FRONTAGE ROAD  
LAYOUT

CONTRACT NO.	HSR06-007
DRAWING NO.	CR9133-B
SCALE	AS SHOWN
SHEET NO.	### OF ###





Map showing the intersection of Ave 24 and Ave 23 1/2. The proposed location of the 67th station is indicated by a dashed line. The map also shows the proposed location of the 68th station, which is located on Ave 24, between Ave 23 1/2 and Ave 23. The map includes a north arrow and a scale bar.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	D. AYELE
DRAWN BY	C. DELOS REYES
CHECKED BY	A. SILVER
IN CHARGE	A. BOONE
DATE	04/29/2011

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811

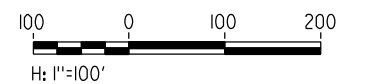
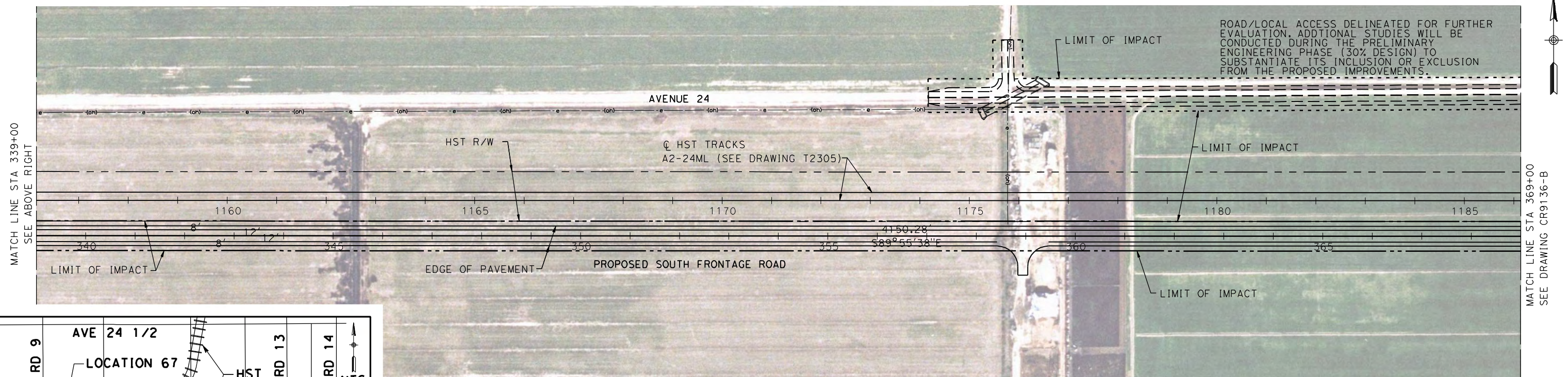
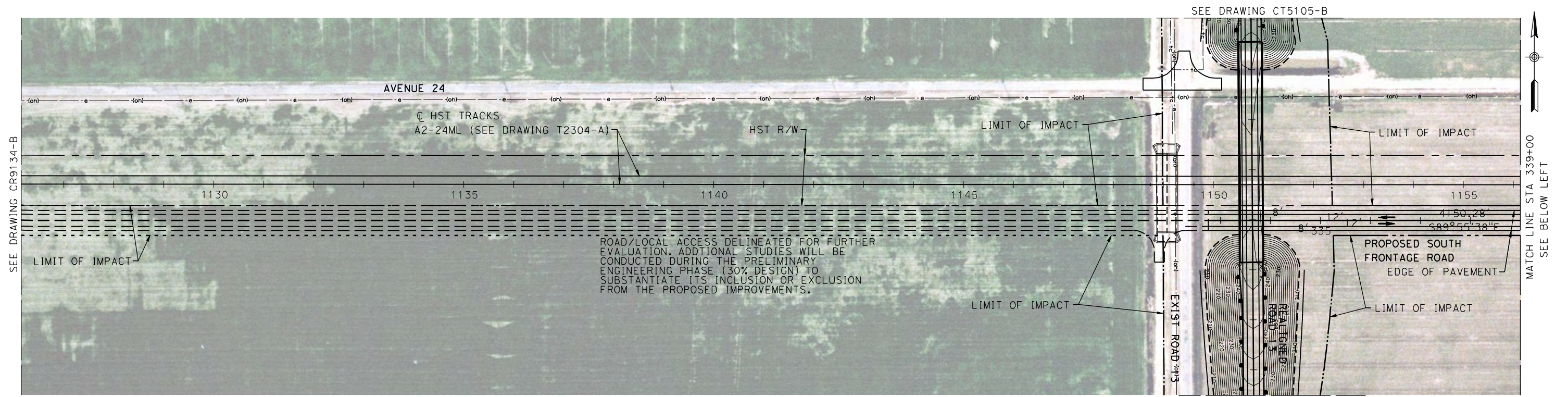
**CH2MHILL**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**  
UPRR/SR99 MAINLINE - (AVE 24)  
SOUTH FRONTAGE ROAD AVENUE 24  
LAYOUT

CONTRACT NO.	HSR06-007
DRAWING NO.	CR9134-B
SCALE	AS SHOWN
SHEET NO.	### OF ###





The map shows a grid of roads. A horizontal road is labeled 'AVE 24' and 'RD 9'. A vertical road is labeled 'AVE 23 1/2' and 'SR 152'. A curved road, labeled 'HST', runs from the intersection of Ave 24 and Ave 23 1/2 towards the northeast. The HST alignment is shown with a dashed line and a solid line. Stationing markers are shown along the HST alignment: 'RD 10', 'RD 11', 'RD 12', 'RD 13', and 'RD 14'. A north arrow is located in the top right corner, labeled 'NTS'.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	D. AYELE
DRAWN BY	C. DELOS REYES
CHECKED BY	A. SILVER
IN CHARGE	A. BOONE
DATE	04/29/2011

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811

**CH2MHILL**

**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**

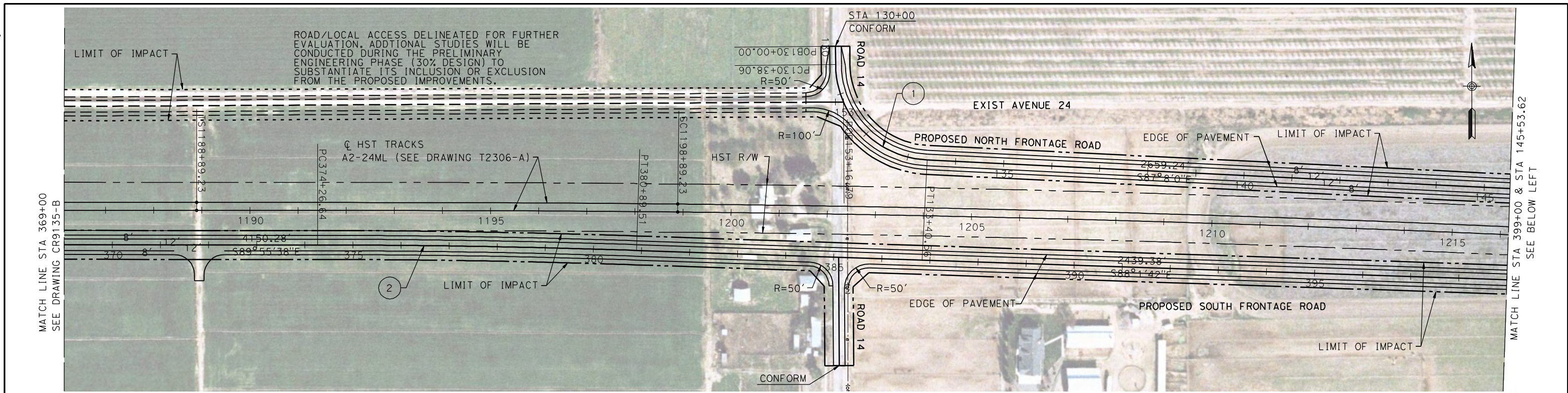
UPRR/SR99 MAINLINE - (AVE 24)  
NORTH & SOUTH FRONTAGE ROAD  
LAYOUT  
STA 332+76.37 TO STA 369+00

CONTRACT NO.	HSR06-007
DRAWING NO.	CR9135-B
SCALE	AS SHOWN
SHEET NO.	### OF ###

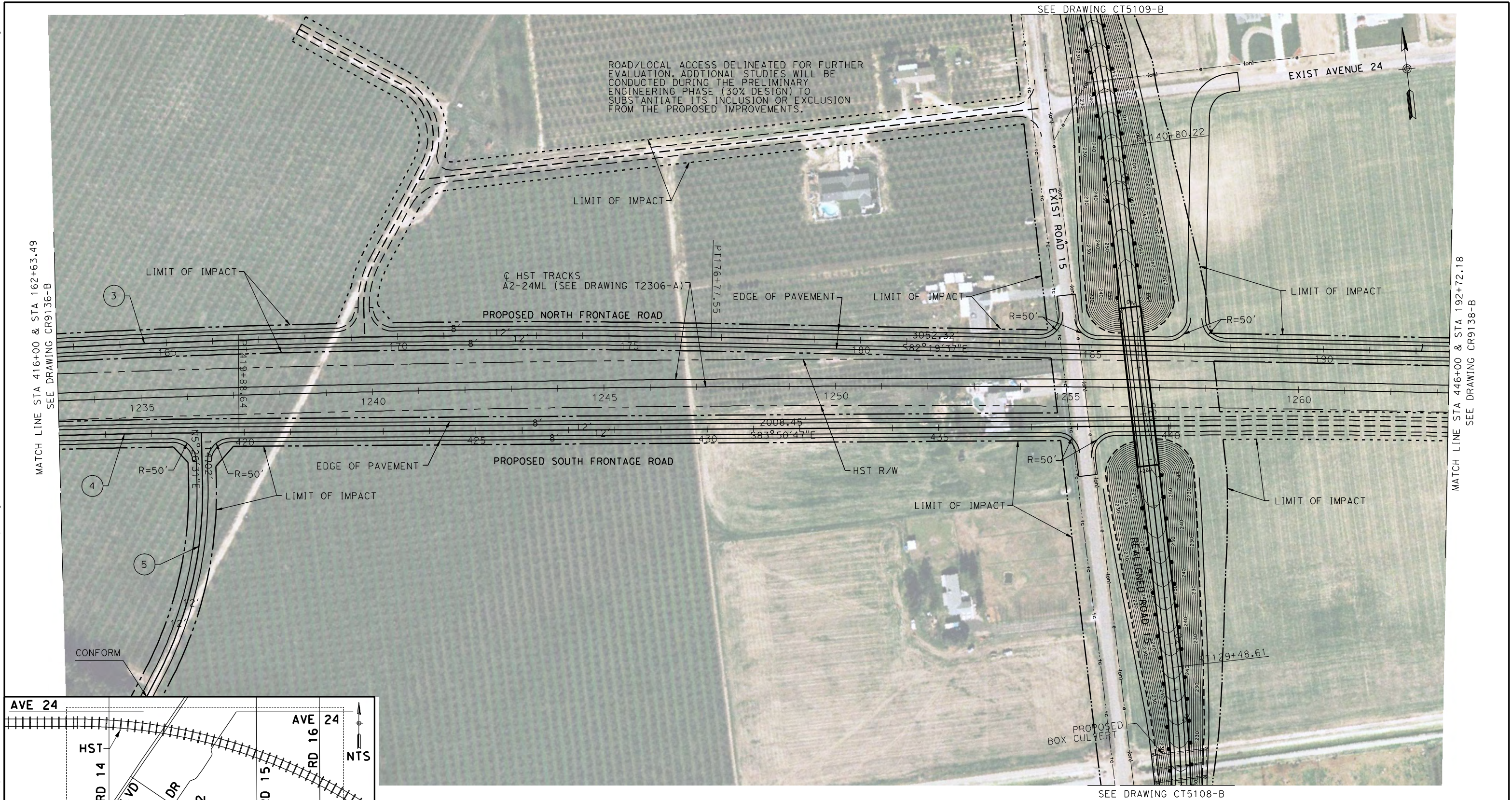


4/27/2011 7:05:10 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye & w. chowchilla\layout\CR9136-B.dgn

ReyesC1







A map showing the proposed HST line and its intersection with Ave 24. The map includes labels for Ave 24, Ave 23 1/2, Ave 152, RD 14, RD 15, RD 16, RD 14 1/2, RD 23 1/2, and the proposed HST line. A north arrow is also present.

REV	DATE	BY	CHK	APP	DESCRIPTION

No.	R	$\Delta$	T	L
(3)	20000.04	4° 48' 23"	839.37	1677.76
(4)	20000.04	4° 10' 55"	730.20	1459.76
(5)	850.00	28° 34' 7"	216.41	423.82

DESIGNED BY D. AYELE
DRAWN BY C. DELOS REYES
CHECKED BY A. SILVER
IN CHARGE A. BOONE
DATE 04/29/2011

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811

**CH2MHILL**



**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO

UPRR/SR99 MAINLINE - (AVE 24)  
NORTH & SOUTH FRONTAGE ROAD  
LAYOUT

STA 162+63.49 TO 192+72.18 & STA 416 TO 440

CONTRACT NO.  
HSR06-007

DRAWING NO.  
CR9137-B

SCALE  
AS SHOWN

SHEET NO.  
### OF ###

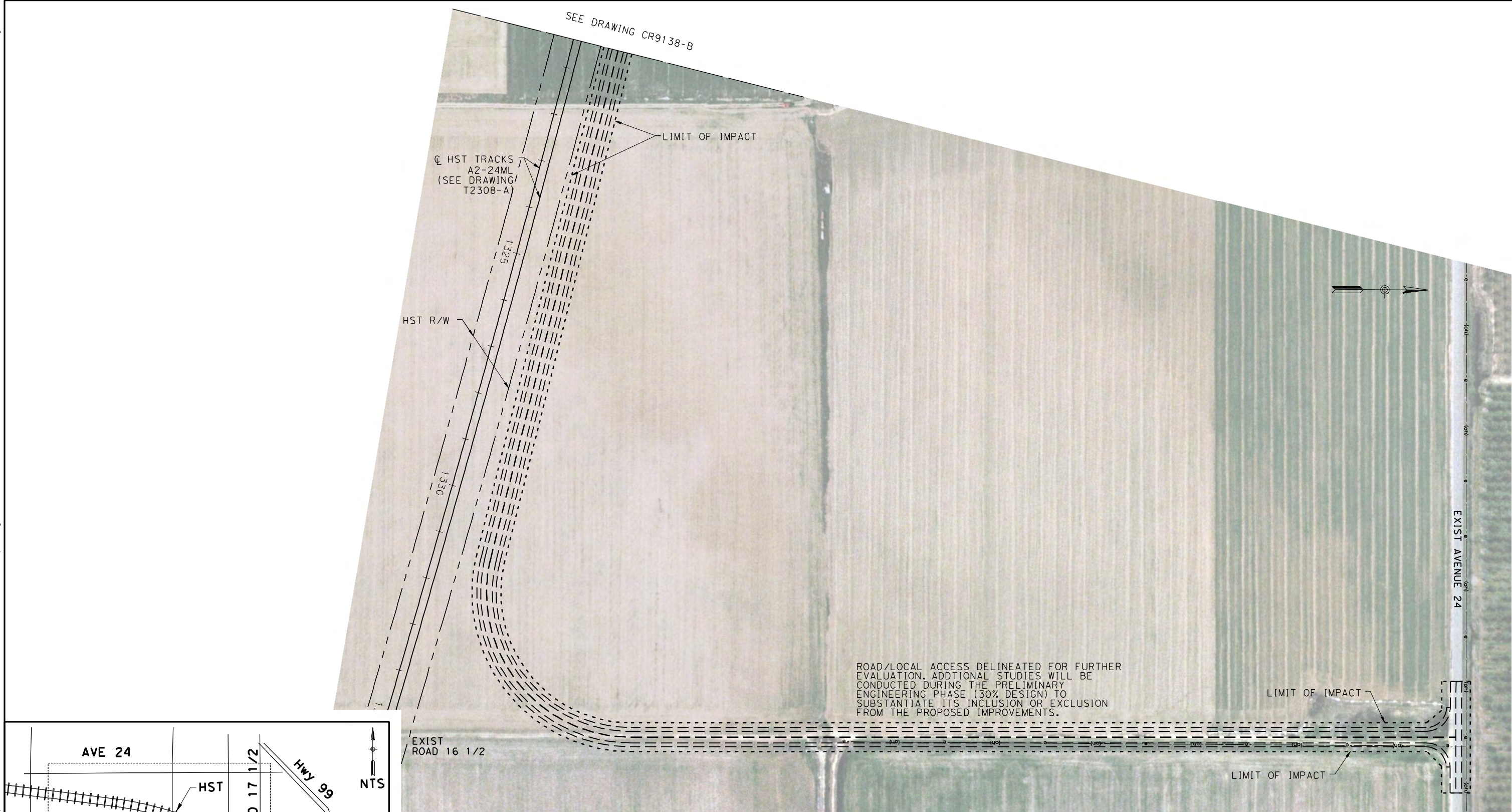




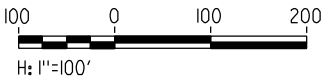
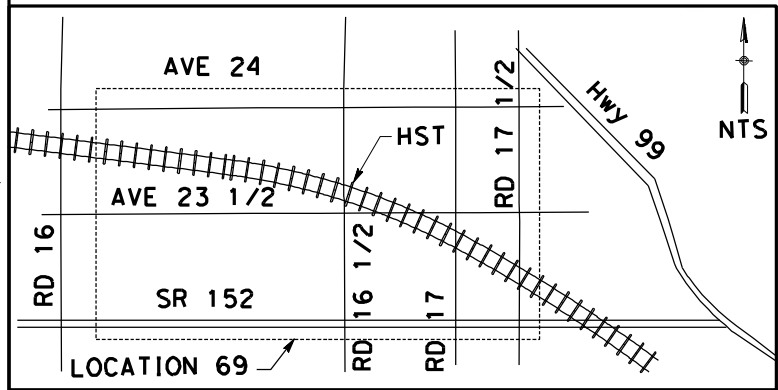


4/27/2011 7:05:52 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye-w.chowchilla local roads\Layout\CR9139-B.dgn

ReyesC1



ROAD/LOCAL ACCESS DELINEATED FOR FURTHER EVALUATION. ADDITIONAL STUDIES WILL BE CONDUCTED DURING THE PRELIMINARY ENGINEERING PHASE (30% DESIGN) TO SUBSTANTIATE ITS INCLUSION OR EXCLUSION FROM THE PROPOSED IMPROVEMENTS.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. AYELE
DRAWN BY C. DELOS REYES
CHECKED BY A. SILVER
IN CHARGE A. BOONE
DATE 04/29/2011

<b>RECORD SET</b> <b>15% DESIGN</b> <b>SUBMITTAL</b>
<b>NOT FOR</b> <b>CONSTRUCTION</b>



Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811





**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

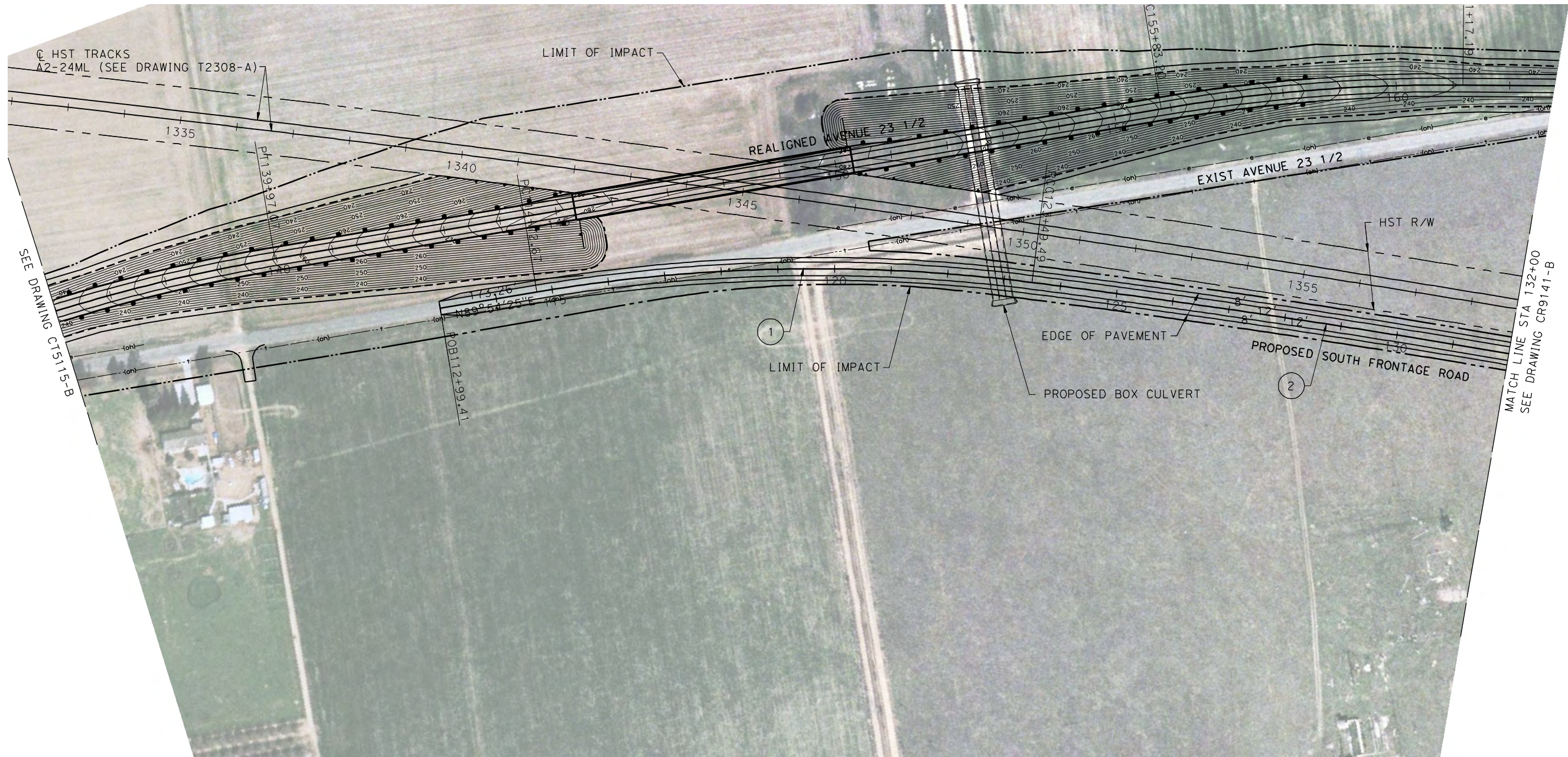
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**

UPRR/SR99 MAINLINE - (AVE 24)  
NORTH FRONTAGE ROAD & ROAD 16 1/2  
LAYOUT

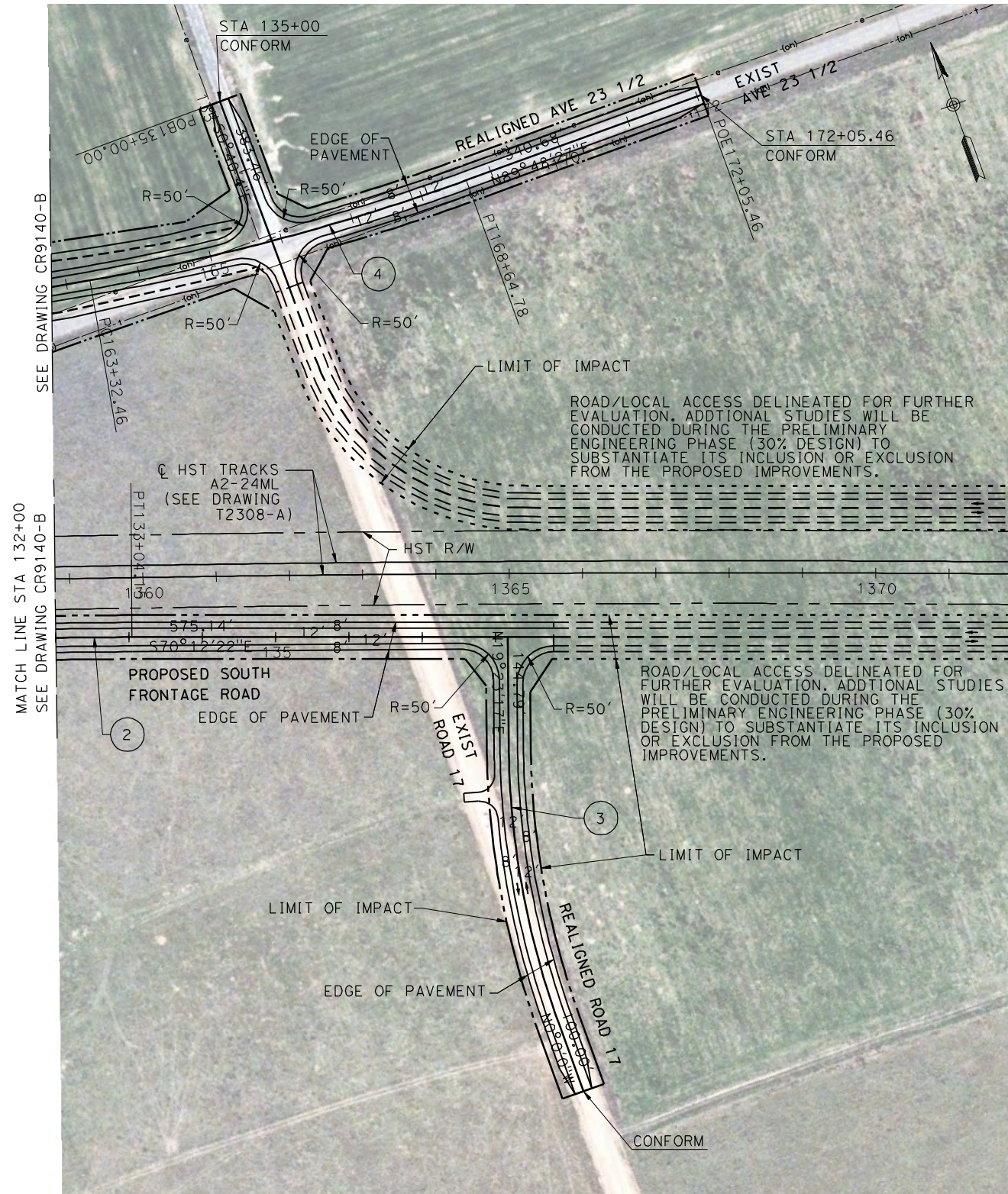
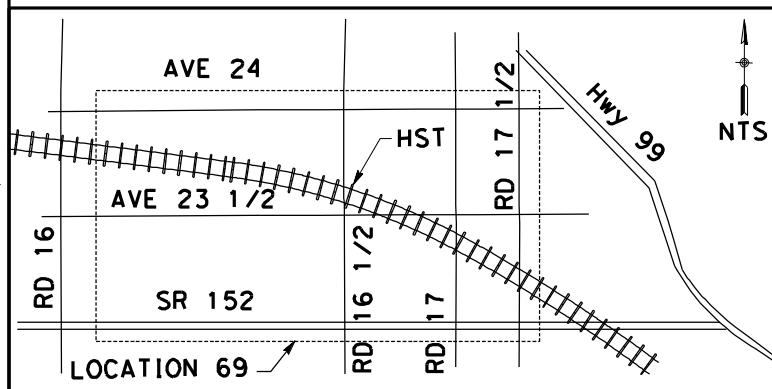
CONTRACT NO. HSR06-007
DRAWING NO. CR9139-B
SCALE AS SHOWN
SHEET NO. ### OF ###



4/27/2011 7:06:02 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla local roads\layout\CR9140-B.dgn







No.	R	$\Delta$	T	L
(2)	20000.00	3°0'28"	525.07	1049.90
(3)	1150.00	19°23'17"	196.45	389.14
(4)	3000.00	10°10'0"	266.86	532.33



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	D. AYELE
DRAWN BY	C. DELOS REYES
CHECKED BY	A. SILVER
IN CHARGE	A. BOONE
DATE	04/29/2011

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811

**CH2MHILL**



## CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO

UPRR/SR99 MAINLINE - (AVE 24)  
NORTH & SOUTH FRONTAGE ROAD AVENUE 24  
LAYOUT  
STA 132+00 TO STA 138+79.29

CONTRACT NO.	HSR06-007
DRAWING NO.	CR9141-B
SCALE	AS SHOWN
SHEET NO.	### OF ###

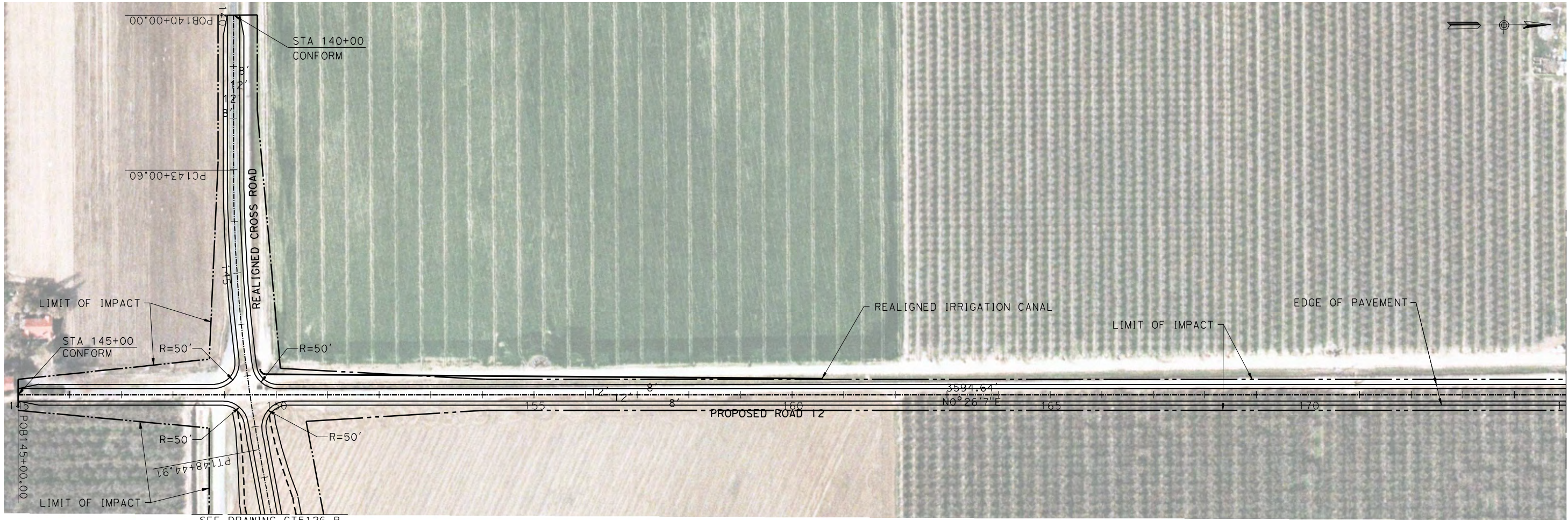




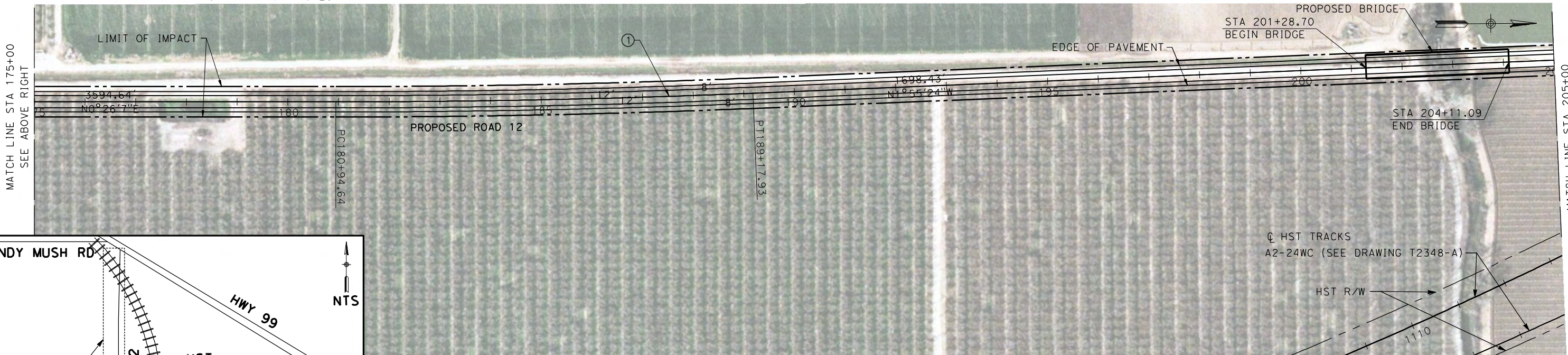


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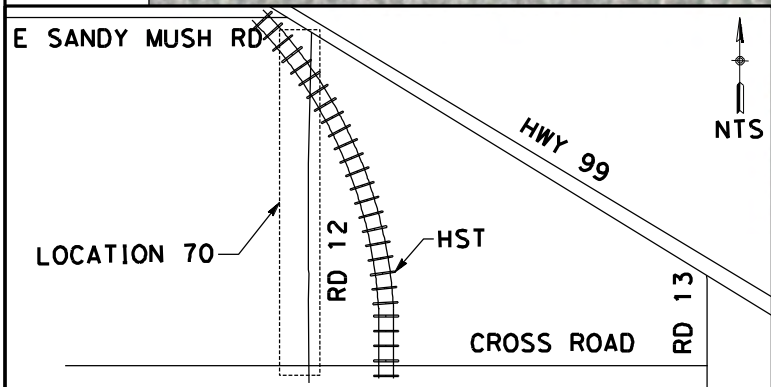
ReyesC1



MATCH LINE STA 175+00  
SEE BELOW LEFT



MATCH LINE STA 205+00  
SEE DRAWING CR9119-B



CURVE DATA				
No.	R	Δ	T	L
①	20000.00	87° 38' 29"	411.70	823.29



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**



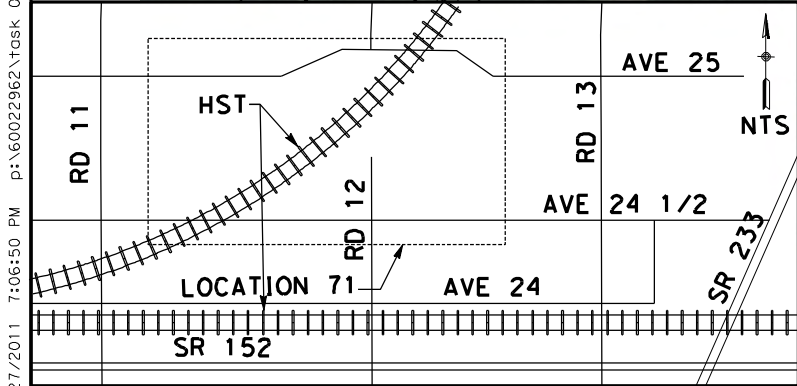
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
UPRR/SR99 WYE - (AVE 24)  
ROAD 12  
LAYOUT  
STA 145+00 TO STA 205+00

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9143-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###



p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye-w.chowchilla local roads\Layout\CP9144-B.dgn

ReyesC1



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

RECORD SET  
15% DESIGN  
SUBMITTAL

NOT FOR  
CONSTRUCTION

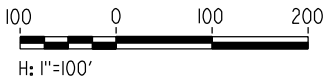
**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**



**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**  
UPRR/SR99 WYE - (AVE 24)  
AVENUE 24 1/2  
LAYOUT

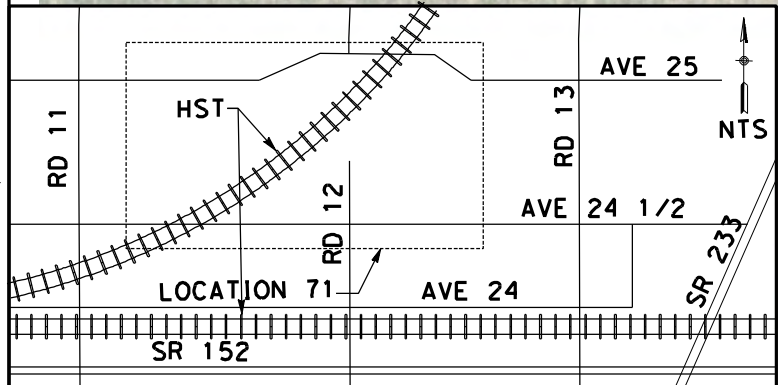
CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9144-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###





4/27/2011 7:07:05 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye-w.chowchilla local roads\Layout\CR9145-B.dgn

ReyesC1



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION

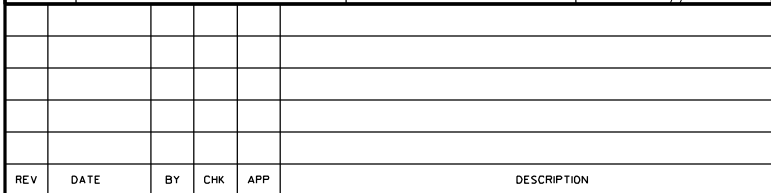
**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**  
UPRR/SR99 WYE - (AVE 24)  
ROAD 12 1/4 & AVENUE 24 1/2  
LAYOUT  
STA 110+00 TO STA 126+00

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9145-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###

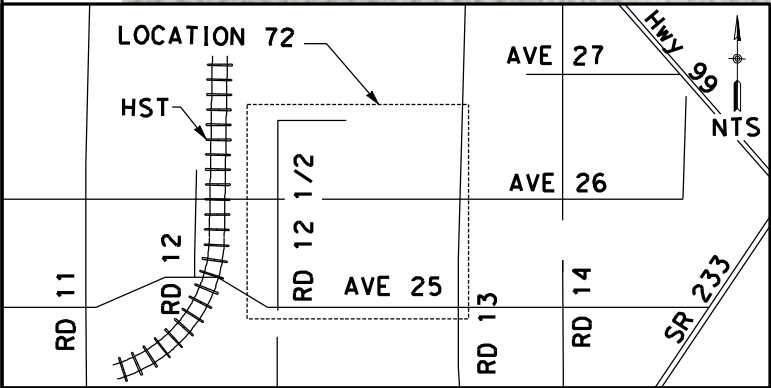
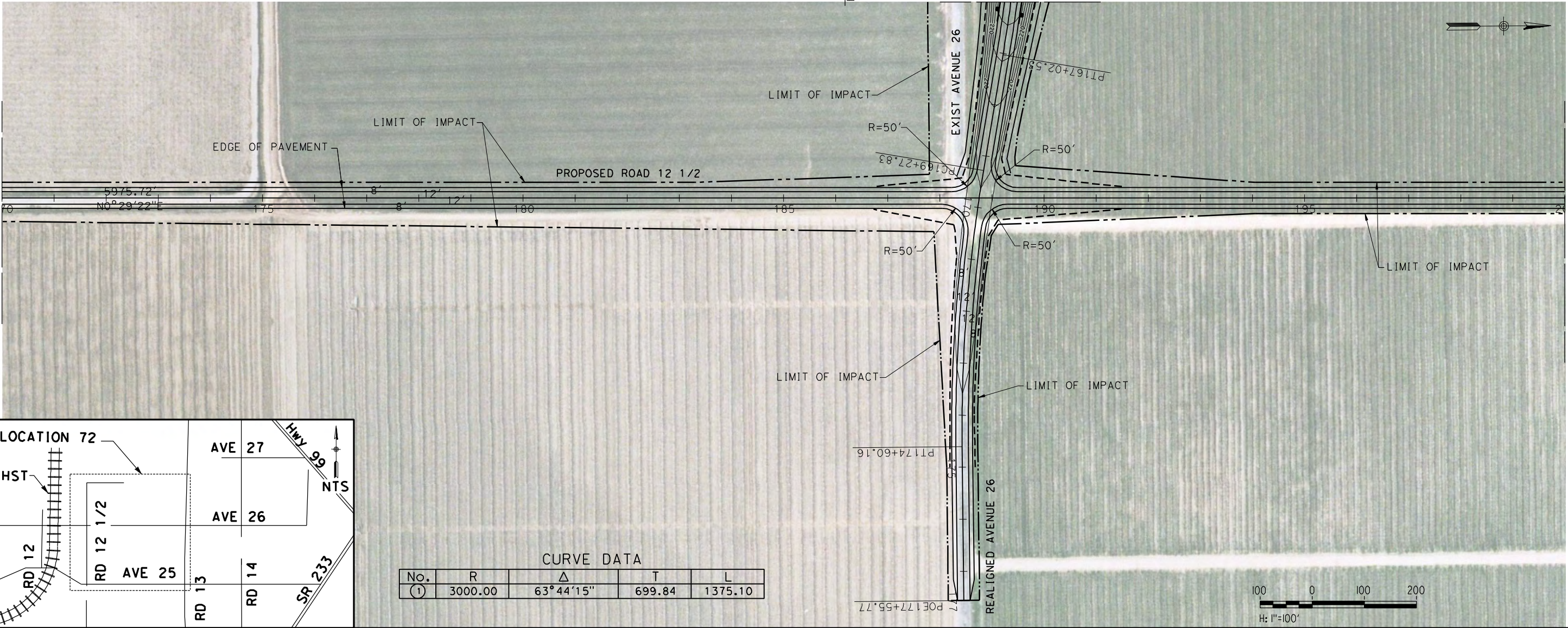
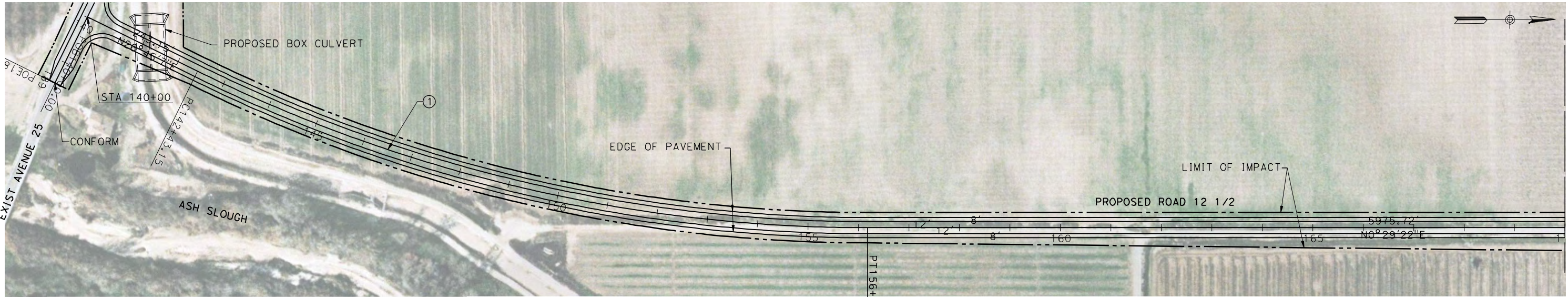




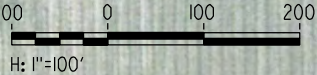
CONTRACT NO.	HSR06-007
DRAWING NO.	CR9146-B
SCALE	AS SHOWN
SHEET NO.	### OF ###



4/27/2011 7:07:30 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye & w. chowchilla\layout\CR9147-B.dgn



CURVE DATA				
No.	R	Δ	T	L
(1)	3000.00	63°44'15"	699.84	1375.10



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**



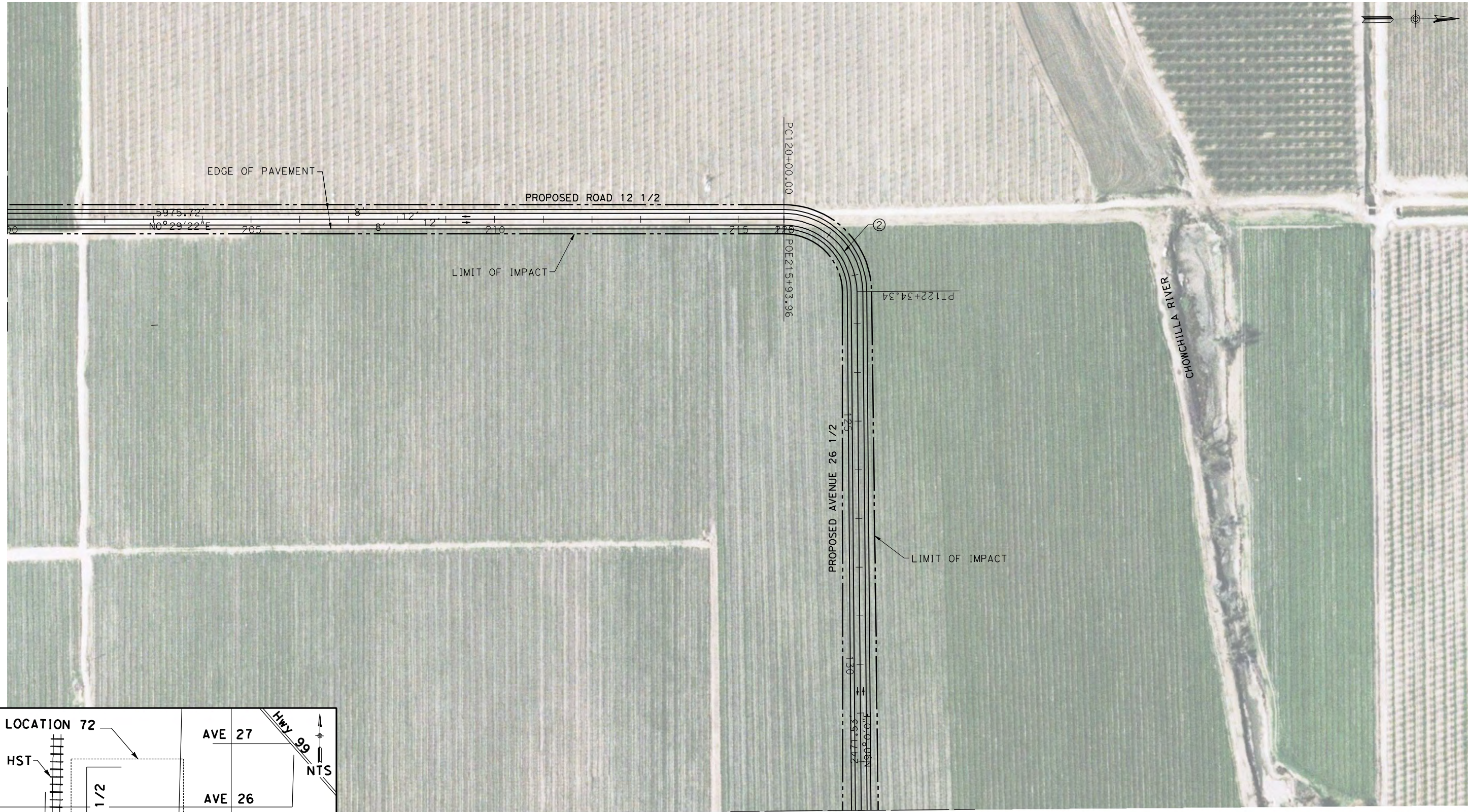
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
UPRR/SR99 WYE - (AVE 24)  
ROAD 12 1/2  
LAYOUT  
STA 140+00 TO STA 200+00

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9147-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###

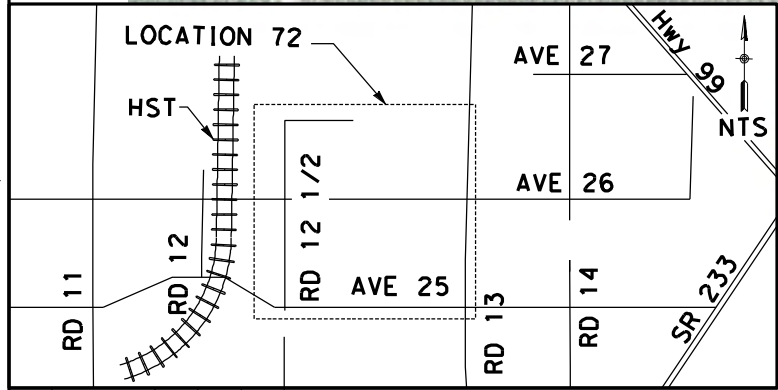


4/27/2011 7:07:44 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye & w. chowchilla\local roads\Layout\CR9148-B.dgn

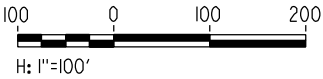
MATCH LINE STA 200+00  
SEE DRAWING CR9147-B



MATCH LINE STA 133+00  
SEE DRAWING CR9149-B



CURVE DATA				
No.	R	Δ	T	L
(2)	150.00	0°29'22"	148.72	234.34



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**



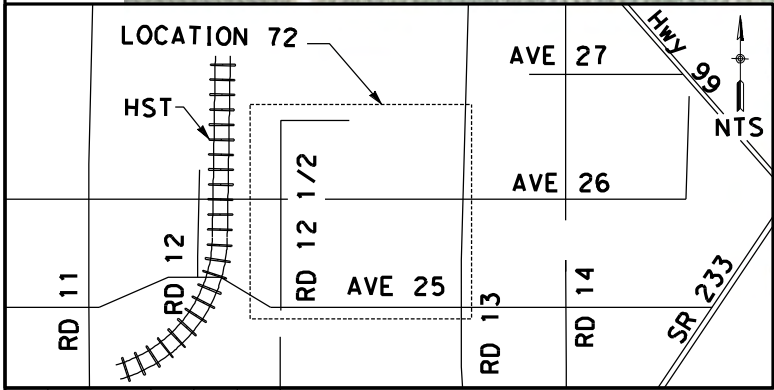
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
UPRR/SR99 WYE - (AVE 24)  
ROAD 12 1/2 & AVENUE 26 1/2  
LAYOUT  
STA 200+00 TO STA 133+00

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9148-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###



4/27/2011 7:07:57 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye-w.chowchilla local roads\Layout\CP9149-B.dgn

ReyesC1



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. AYELE
DRAWN BY C. DELOS REYES
CHECKED BY A. SILVER
IN CHARGE A. BOONE
DATE 04/29/2011

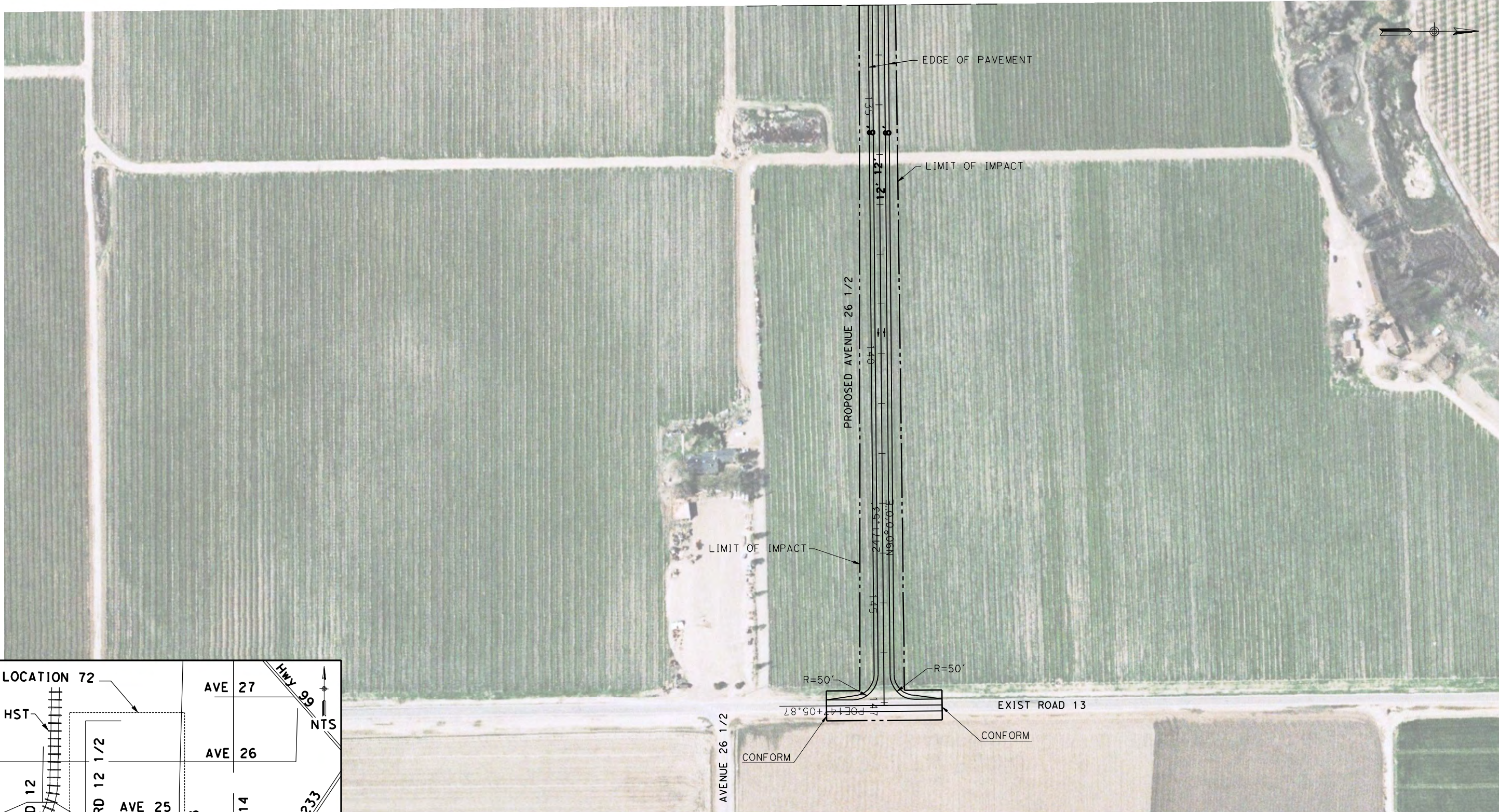
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
UPRR/SR99 WYE - (AVE 24)  
AVENUE 26 1/2  
LAYOUT  
STA 133+00 TO STA 147+05.87

CONTRACT NO. HSR06-007
DRAWING NO. CR9149-B
SCALE AS SHOWN
SHEET NO. ### OF ###



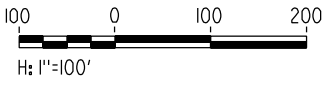
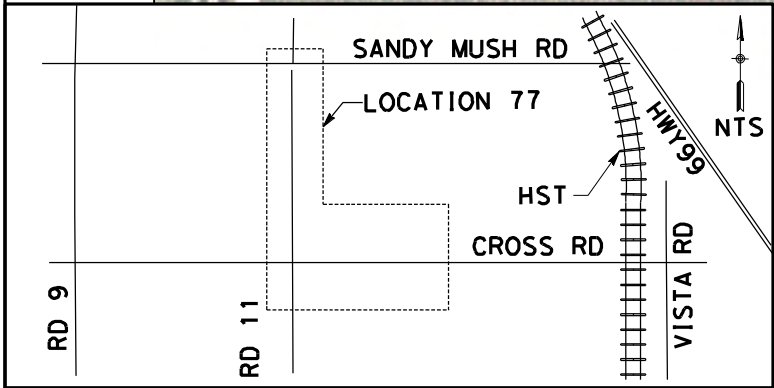
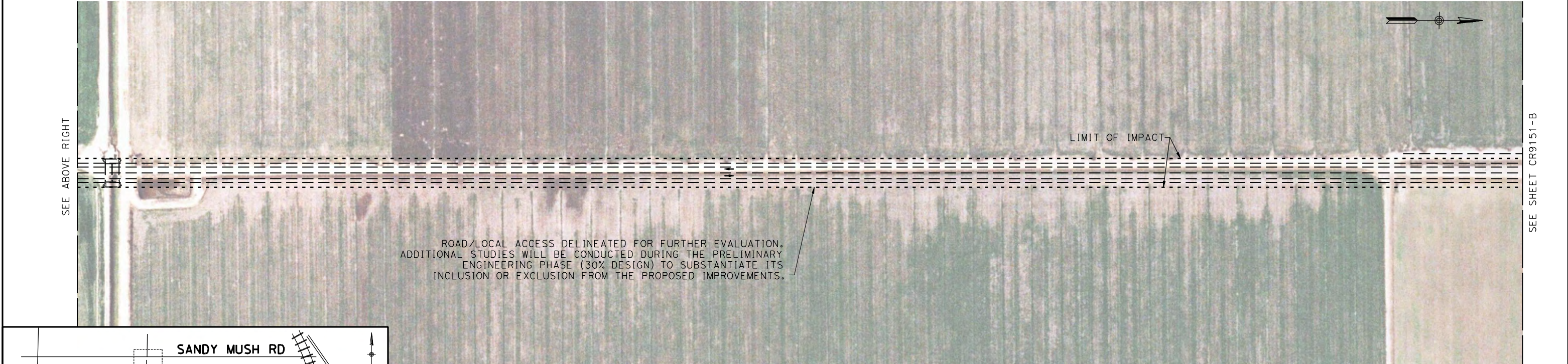
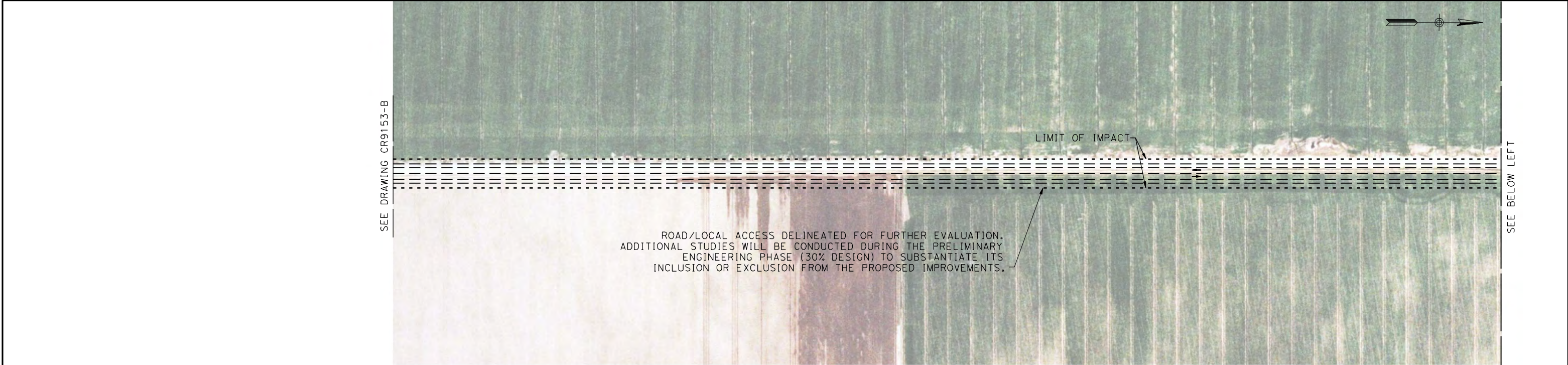
MATCH LINE STA 133+00  
SEE DRAWING CR9148-B





4/27/2011 7:08:14 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye-w.chowchilla local roads\Layout\CR9150-B.dgn

ReyesC1



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. AYELE
DRAWN BY C. DELOS REYES
CHECKED BY A. SILVER
IN CHARGE A. BOONE
DATE 04/29/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811





**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**

UPRR/SR99 MERCED DO - (WC)  
LOCAL ROAD - ROAD 11  
LAYOUT

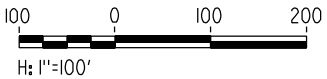
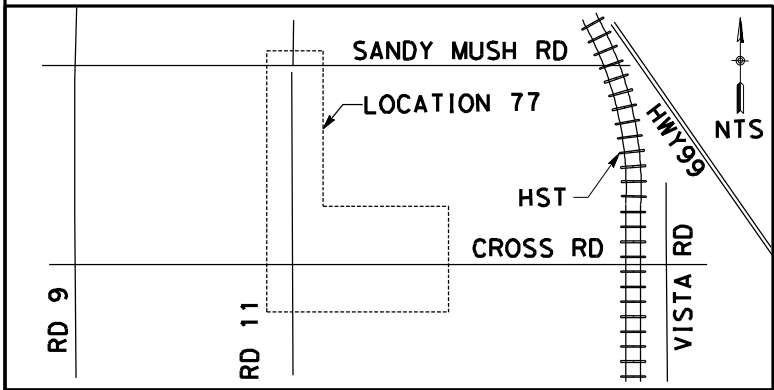
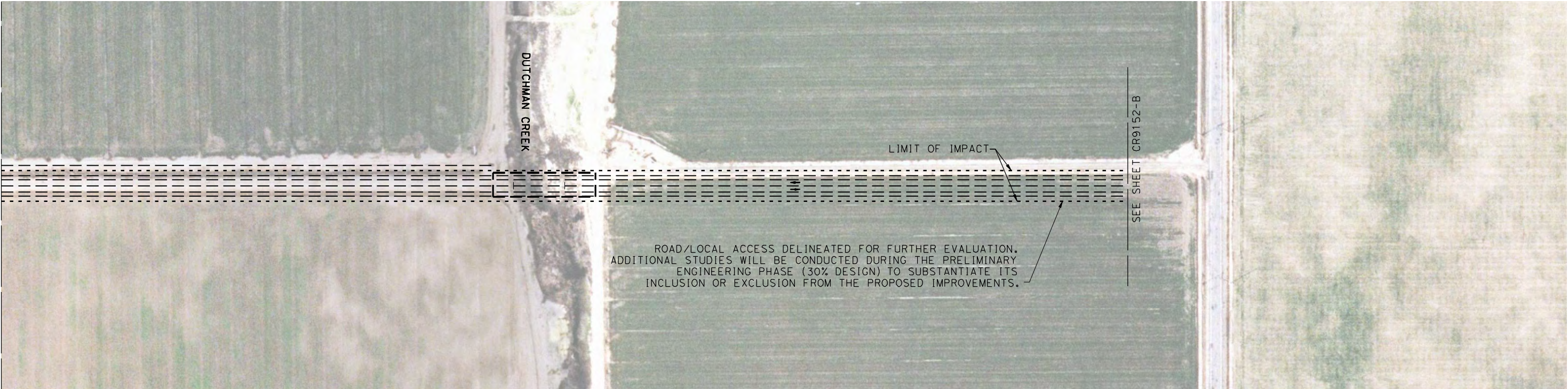
CONTRACT NO. HSR06-007
DRAWING NO. CR9150-B
SCALE AS SHOWN
SHEET NO. ### OF ###



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ReyesC1

SEE SHEET CR9150-B



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. AYELE
DRAWN BY C. DELOS REYES
CHECKED BY A. SILVER
IN CHARGE A. BOONE
DATE 04/29/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

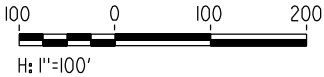
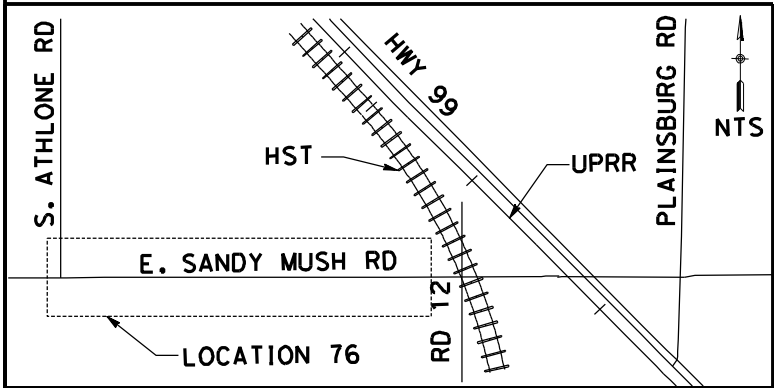
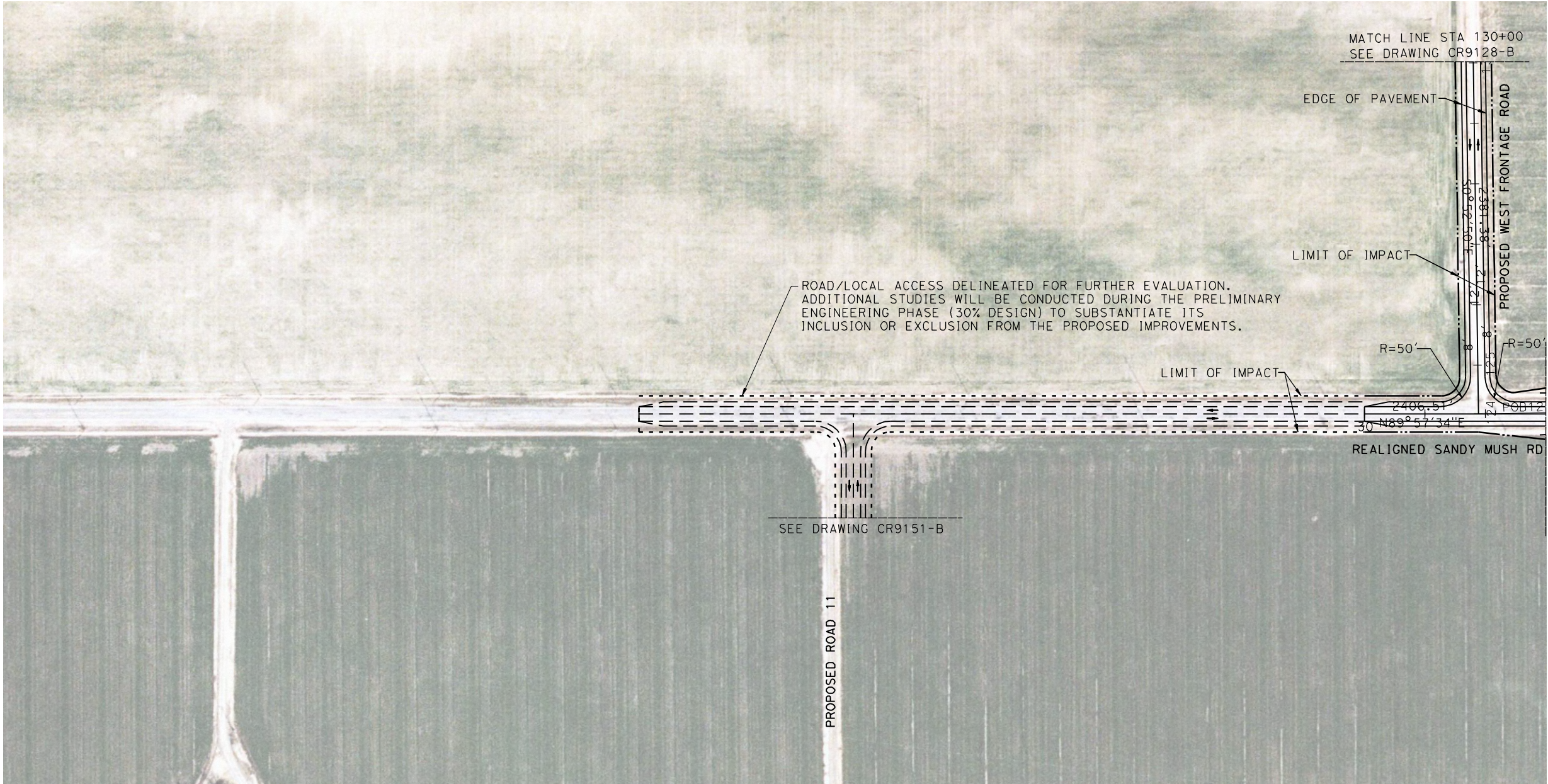


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
UPRR/SR99 MERCED DO - (WC)  
LOCAL ROAD - ROAD 11  
LAYOUT

CONTRACT NO. HSR06-007
DRAWING NO. CR9151-B
SCALE AS SHOWN
SHEET NO. ### OF ###



3/30/2012 7:01:24 PM \\ussstc2fp001\projects\60022962\task-03\_merced-fresno\cadd\civil\design\santa clara\delosreyesc\15%\_roadway\_revisions\vol iii final submittal\roadway\sheet\package 2  
USER=ReyesC1



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. AYELE
DRAWN BY C. DELOS REYES
CHECKED BY A. SILVER
IN CHARGE A. BOONE
DATE 06/30/2011

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**



**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

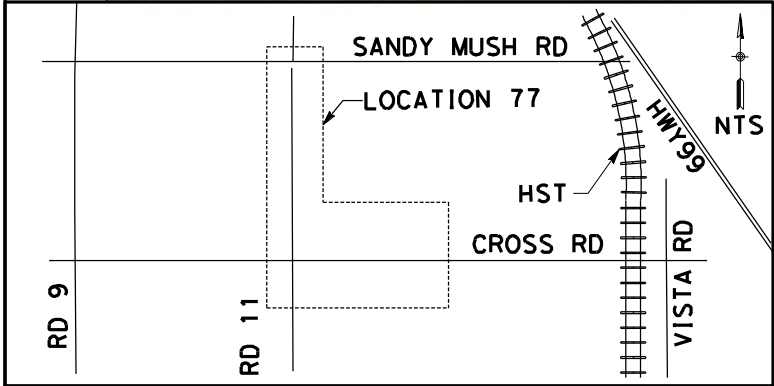
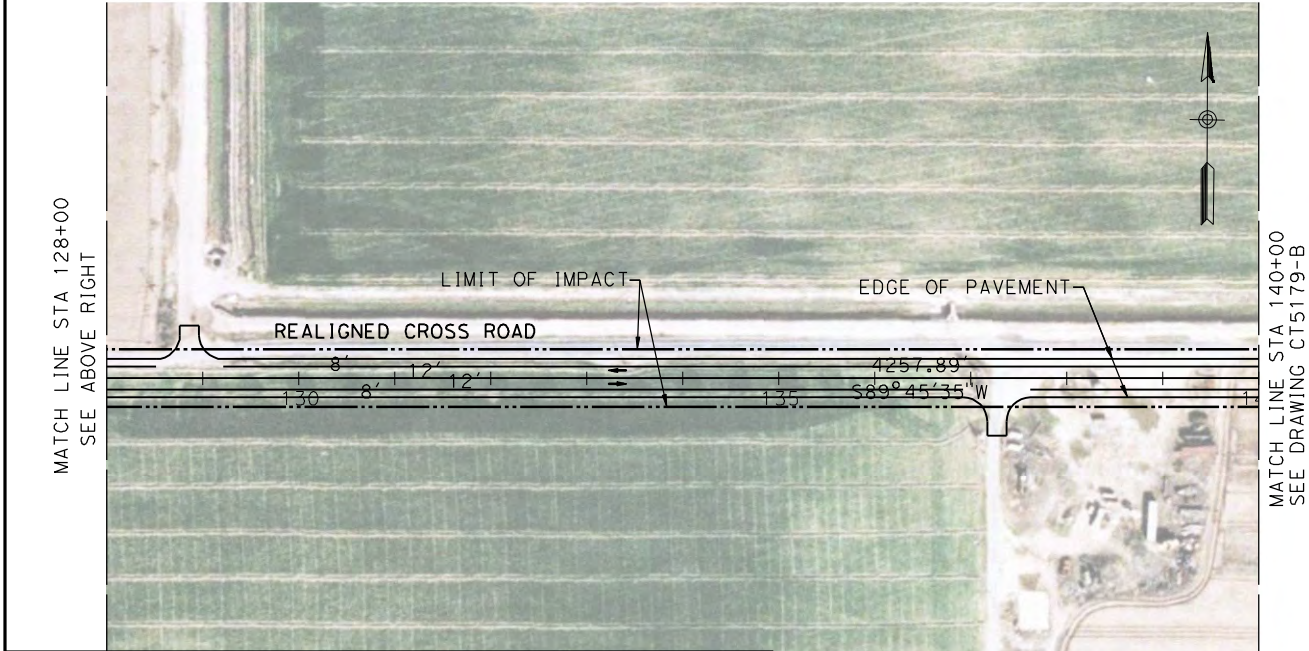
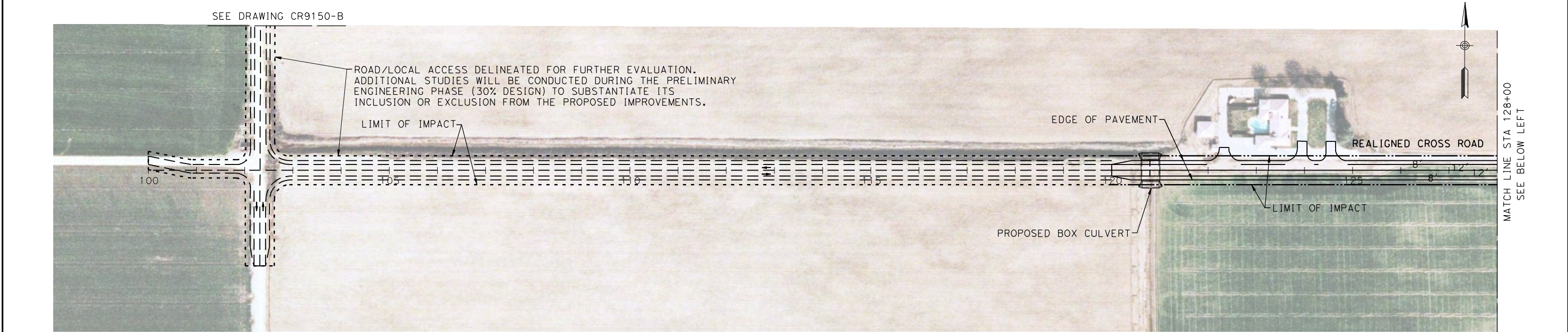
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**

UPRR/SR99 MERCED DO - (WC)  
LOCAL ROAD - SANDY MUSH ROAD  
LAYOUT  
STA 30+00 TO STA 33+00

CONTRACT NO. HSR06-007
DRAWING NO. CR9152-B
SCALE AS SHOWN
SHEET NO. ### OF ###



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. AYELE
DRAWN BY C. DELOS REYES
CHECKED BY A. SILVER
IN CHARGE A. BOONE
DATE 04/29/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**



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2020 L Street, Suite 300  
Sacramento, CA 95811



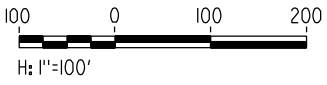


**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

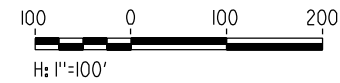
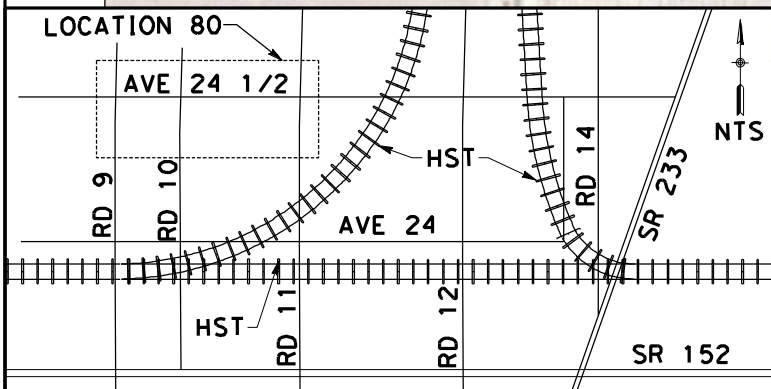
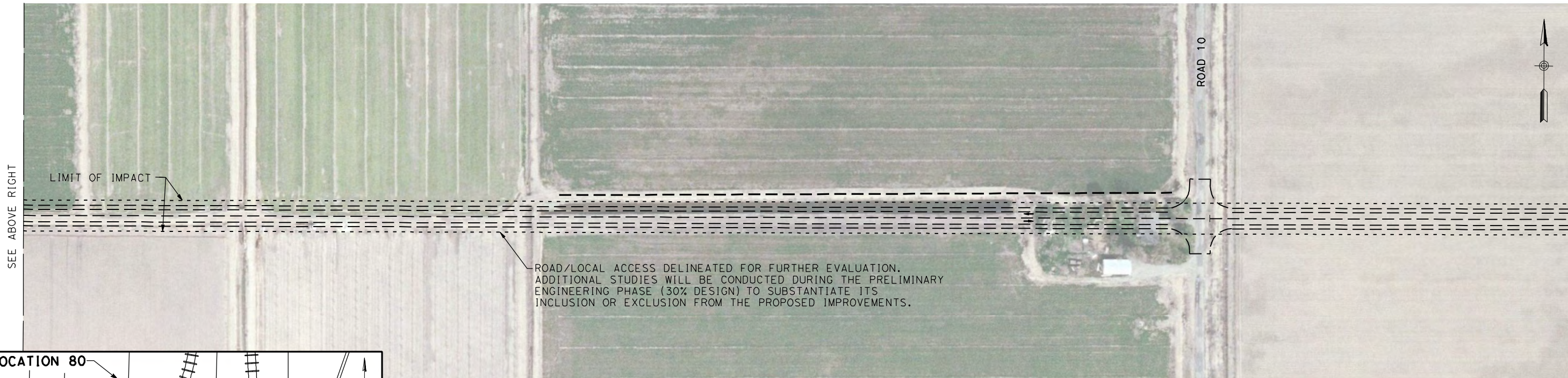
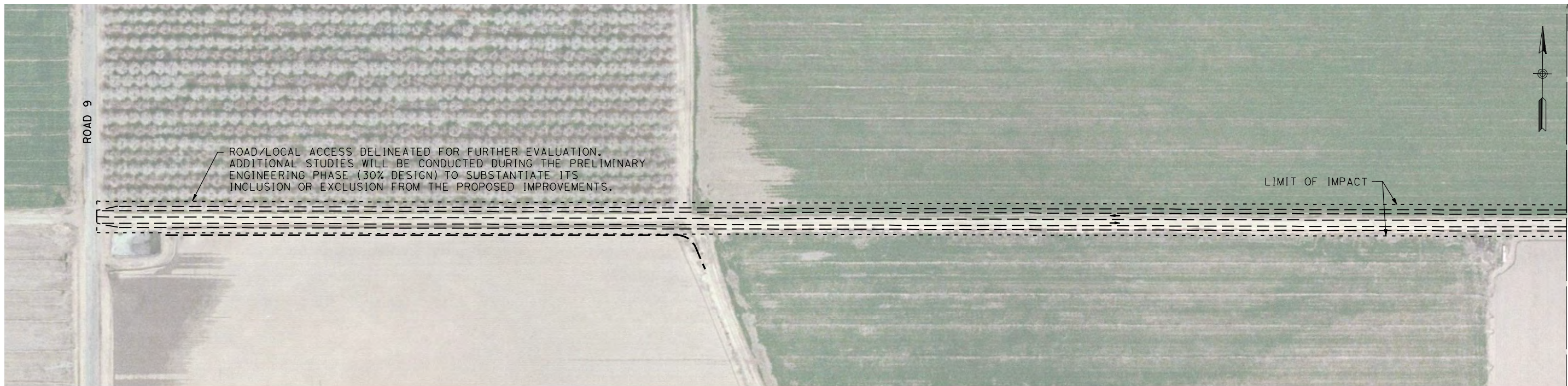
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**

UPRR/SR99 MERCED DO - (WC)  
LOCAL ROAD - CROSS ROAD  
LAYOUT  
STA 120+00 TO STA 140+00

CONTRACT NO. HSR06-007
DRAWING NO. CR9153-B
SCALE AS SHOWN
SHEET NO. ### OF ###







REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	D. AYELE
DRAWN BY	C. DELOS REYES
CHECKED BY	A. SILVER
IN CHARGE	A. BOONE
DATE	04/29/2011

**RECORD SET  
15% DESIGN  
SUBMITTAL**

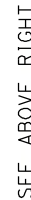
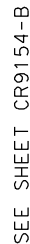
**NOT FOR  
CONSTRUCTION**

**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**

UPRR/SR99 MAINLINE/WYE DO - (WC)  
LOCAL ROAD - AVENUE 24 1/2  
LAYOUT

CONTRACT NO.	HSR06-007
DRAWING NO.	CR9154-B
SCALE	AS SHOWN
SHEET NO.	### OF ###





REV	DATE	BY	CHK	APP
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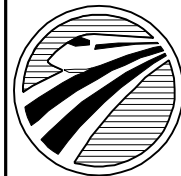
DESIGNED BY	D. AYELE
DRAWN BY	C. DELOS REYES
CHECKED BY	A. SILVER
IN CHARGE	A. BOONE
DATE	04/29/2011

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811

**CH2MHILL**



**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

## CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO

UPRR/SR99 WYE DO - (WC)  
LOCAL ROAD - AVENUE 24 1/2  
LAYOUT

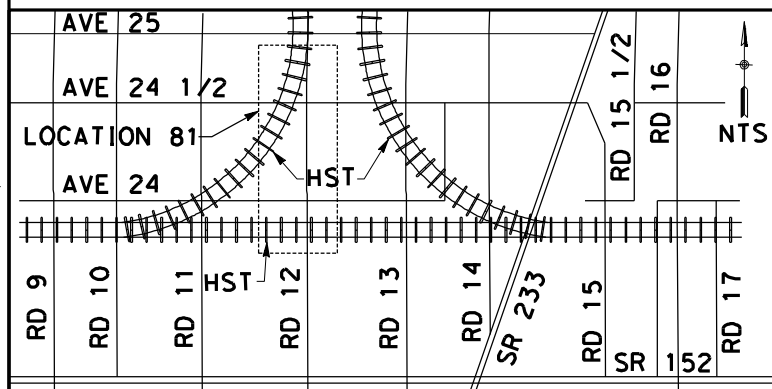
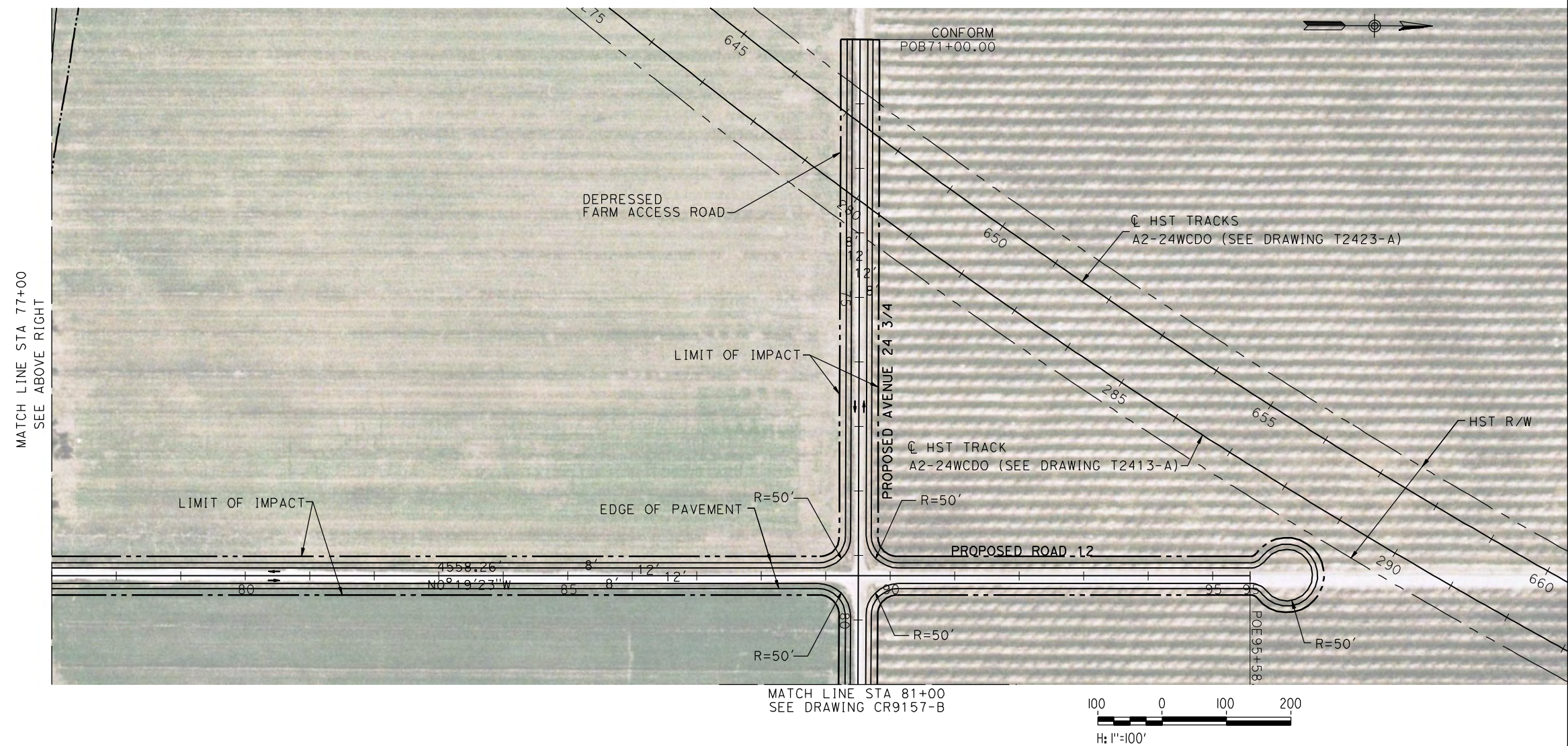
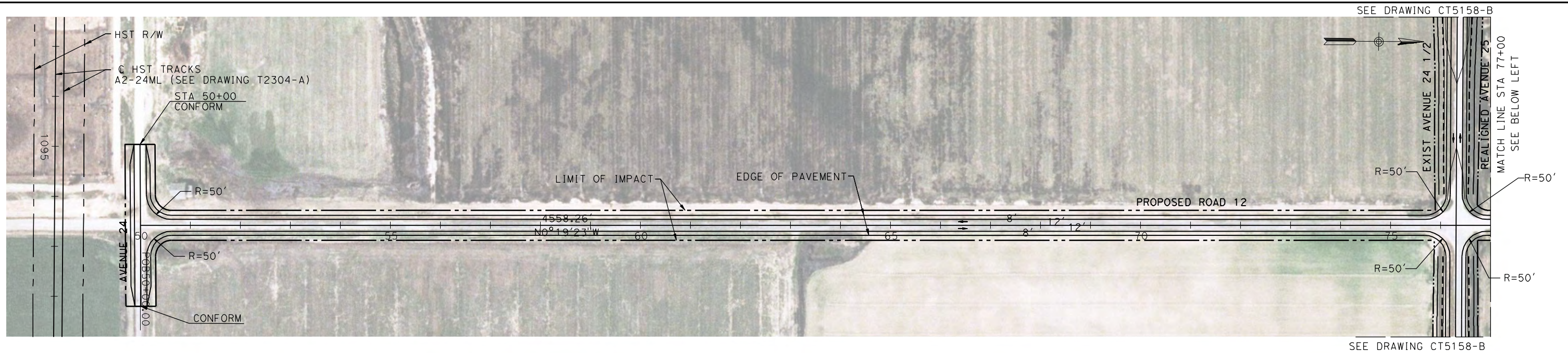
CONTRACT NO.  
HSR06-007

DRAWING NO.  
CR9155-B

SCALE  
AS SHOWN

SHEET NO.  
### OF ###





REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	D. AYELE
DRAWN BY	C. DELOS REYES
CHECKED BY	A. SILVER
IN CHARGE	A. BOONE
DATE	04/29/2011

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811

**CH2MHILL**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**  
UPRR/SR99 MAINLINE/WYE DO - (WC)  
LOCAL ROAD - ROAD 12  
LAYOUT  
STA 50+00 TO 95+58.26 & STA 71+00 TO 81+00

CONTRACT NO.	HSR06-007
DRAWING NO.	CR9156-B
SCALE	AS SHOWN
SHEET NO.	### OF ###



3/28/2012 5:25:18 PM \\usstc2fp001\projects\60022962\task-03\_merced-fresno\cadd\civil\design\santa clara\delosreyesc\15%\_roadway\_revisions\vol iii final submittal\roadway\sheet\package 2  
USER=ReyesC1

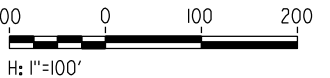
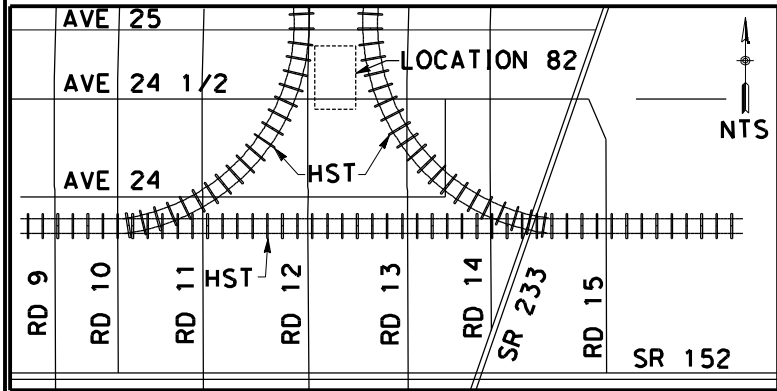
SEE DRAWING CT5159-B

MATCH LINE STA 81+00  
SEE DRAWING CR9156-B



SEE DRAWING CT5159-B

MATCH LINE STA 96+00  
SEE DRAWING CR9158-B



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
06/30/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
UPRR/SR99 MERCED DO - (WC)  
LOCAL ROAD - ROAD 12 1/2 & AVENUE 24 3/4  
LAYOUT  
STA 81+00 TO STA 96+00

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9157-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###





DESIGNED BY	D. AYELE
DRAWN BY	C. DELOS REYES
CHECKED BY	A. SILVER
IN CHARGE	A. BOONE
DATE	04/29/2011

**NOT FOR  
CONSTRUCTION**

Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811



UPRR/SR99 MERCED/WYE DO - (WC)  
LOCAL ROAD - AVENUE 24 3/4  
LAYOUT  
STA 96+00 TO STA 109+18.38

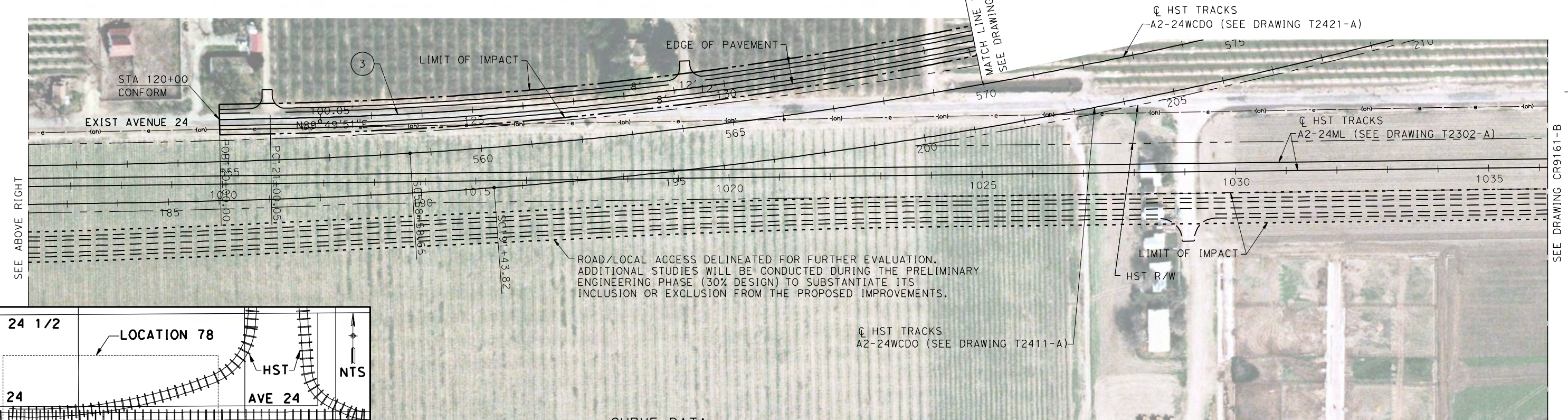
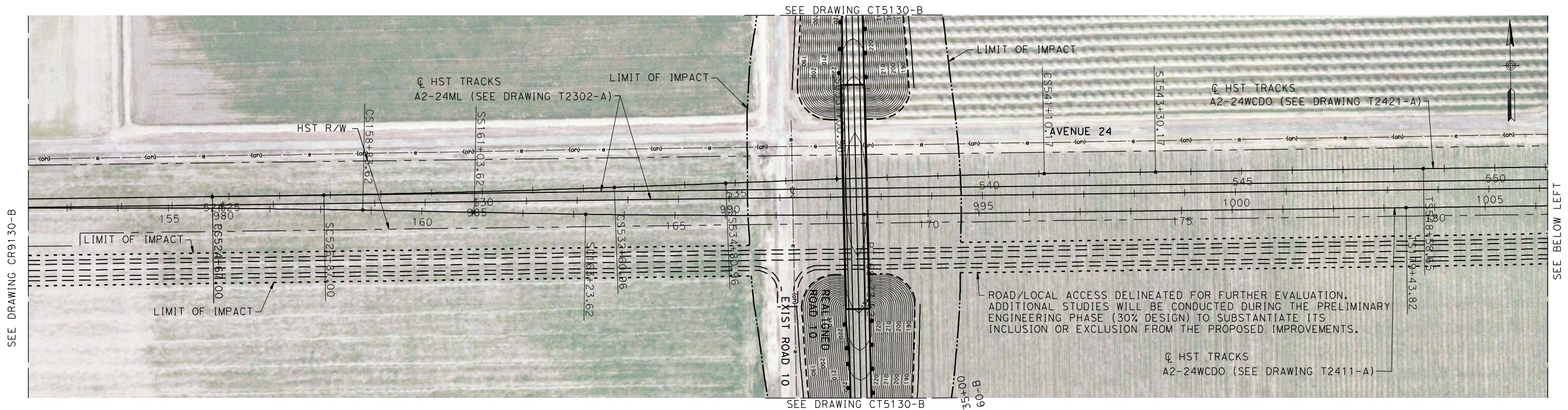
TRACT NO.  
HSR06-007

DRAWING NO.  
CR9158-B

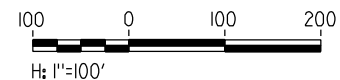
SCALE  
AS SHOWN

SHEET NO.       
 #### OF ####





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(3)	7500.00	18° 41' 5"	1233.88	2445.84

[illegible]

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	D. AYELE
DRAWN BY	C. DELOS REYES
CHECKED BY	A. SILVER
IN CHARGE	A. BOONE
DATE	04/29/2011

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811

**CH2MHILL**



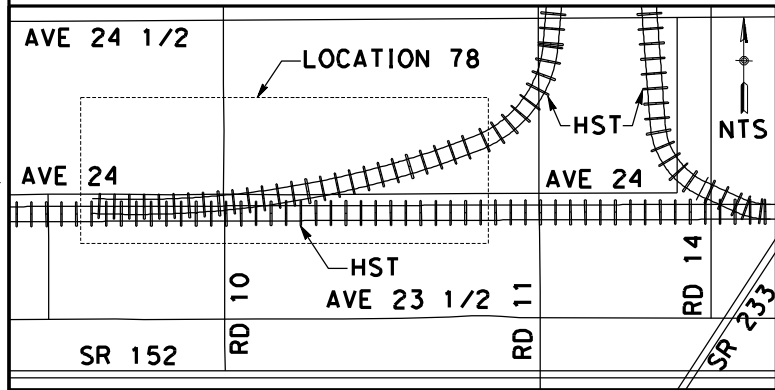
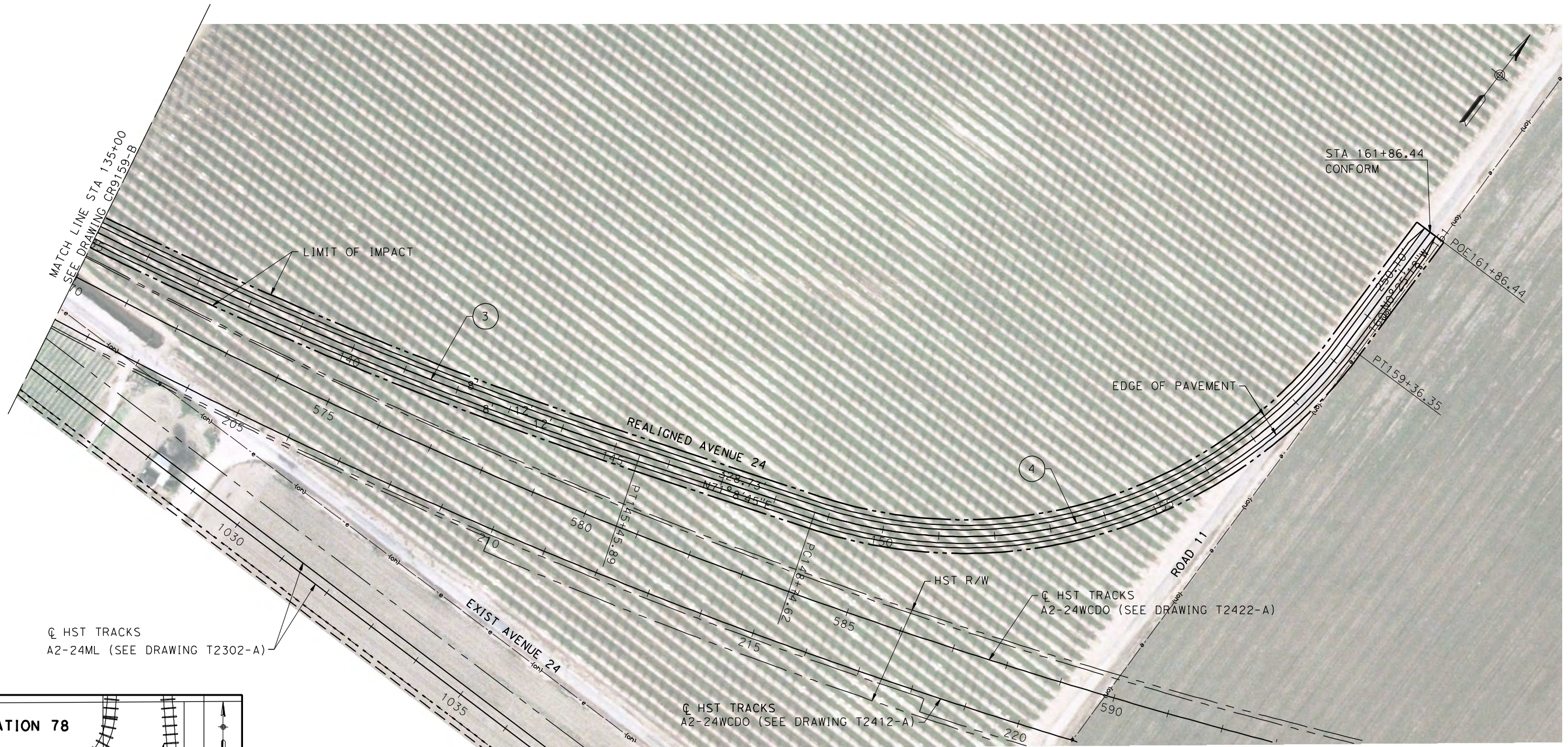
## CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO

UPRR/SR99 MAINLINE/WYE DO - (WC)  
SOUTH FRONTAGE ROAD  
LAYOUT  
STA 120+00 TO 135+00

CONTRACT NO.	HSR06-007
DRAWING NO.	CR9159-B
SCALE	AS SHOWN
SHEET NO.	### OF ###



4/27/2011 7:10:45 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye-w.chowchilla local roads\Layout\CR9160-B.dgn



CURVE DATA				
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(4)	850.00	71°34'4"	612.68	1061.73



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
UPRR/SR99 MAINLINE/WYE DO - (WC)  
AVENUE 24  
LAYOUT  
STA 135+00 TO STA 161+86.44

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9160-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###



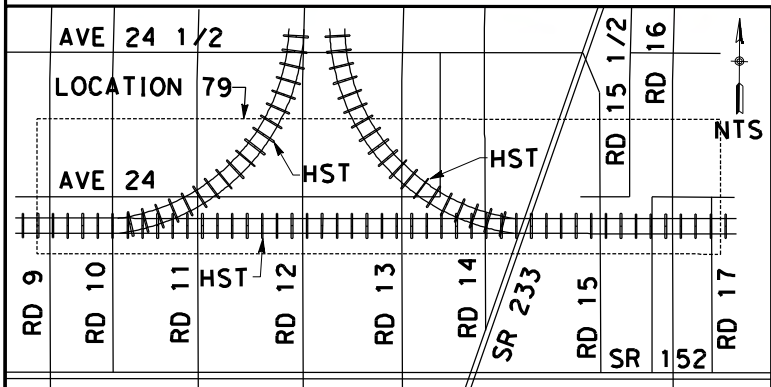
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ReyesC1

SEE DRAWING CR9159-B



SEE DRAWING CR9162-B



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**



**CALIFORNIA  
HIGH-SPEED RAIL AUTHORITY**

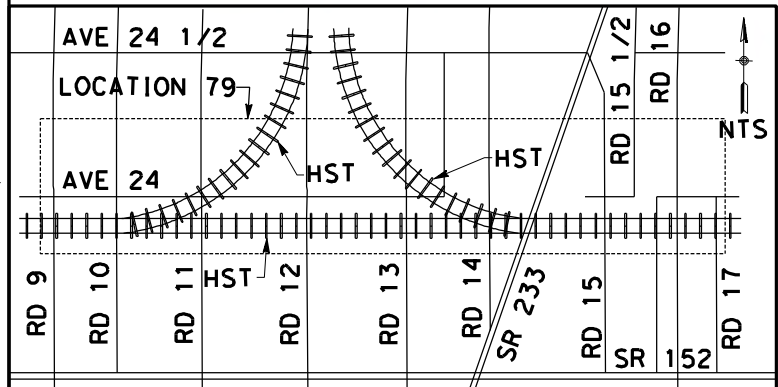
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**  
UPRR/SR99 MAINLINE - (WC)  
SOUTH FRONTAGE ROAD  
LAYOUT

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9161-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###



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ReyesC1



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

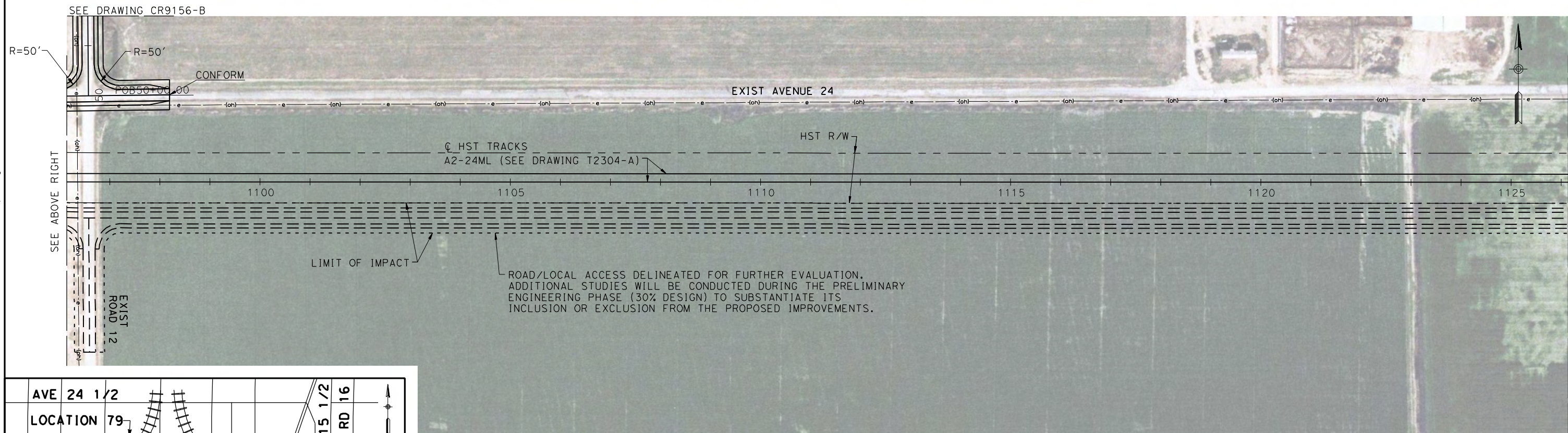
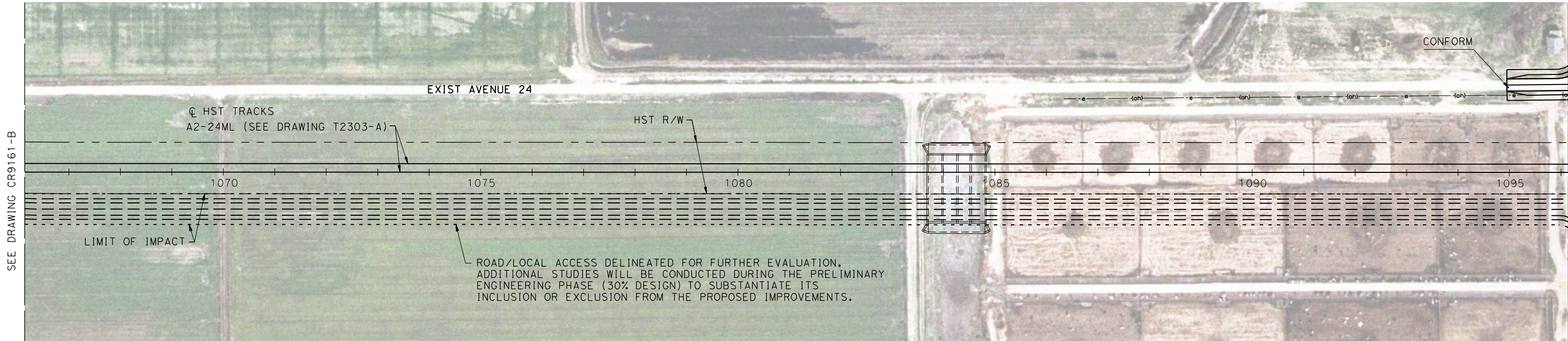
**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**

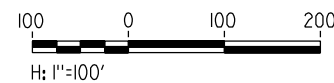
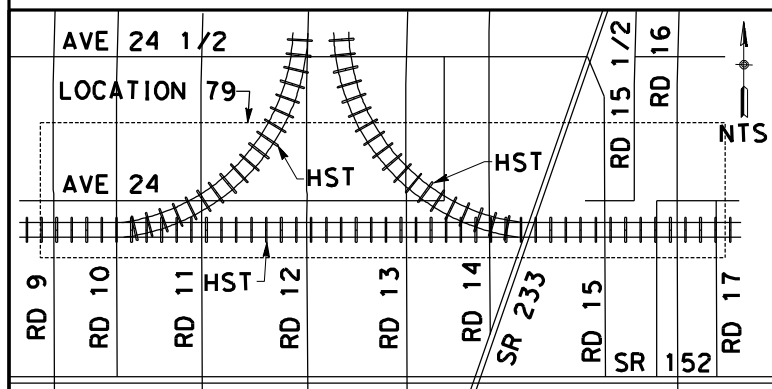
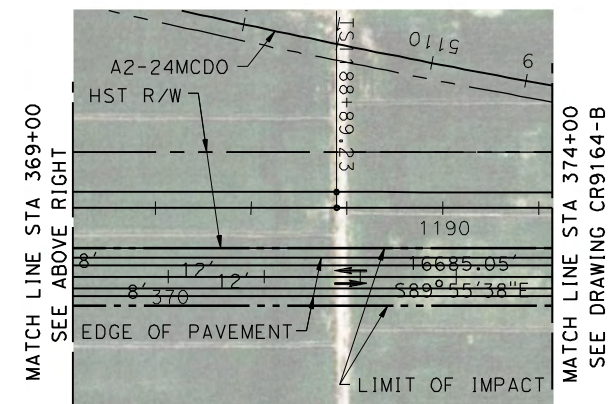
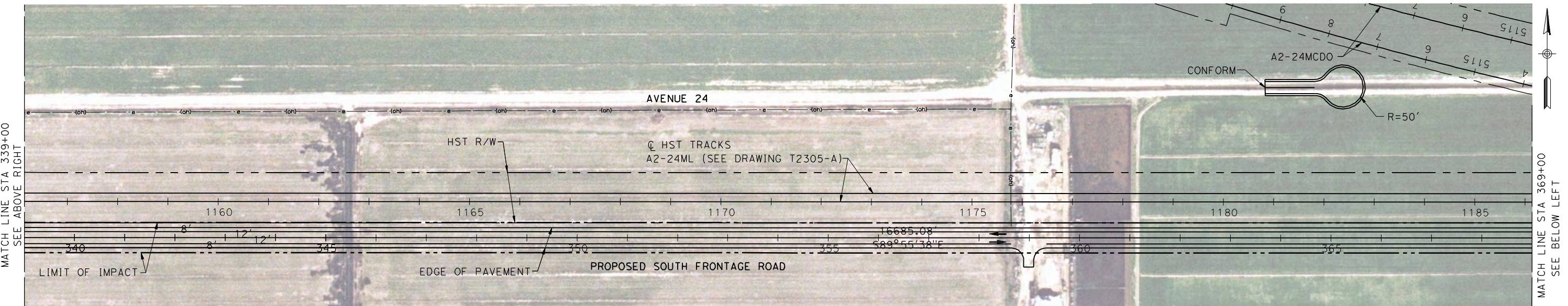


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
UPRR/SR99 MAINLINE - (WC)  
SOUTH FRONTAGE ROAD  
LAYOUT

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9162-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###







REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	D. AYELE
DRAWN BY	C. DELOS REYES
CHECKED BY	A. SILVER
IN CHARGE	A. BOONE
DATE	04/29/2011

**NOT FOR  
CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811

**CH2MHILL**



**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

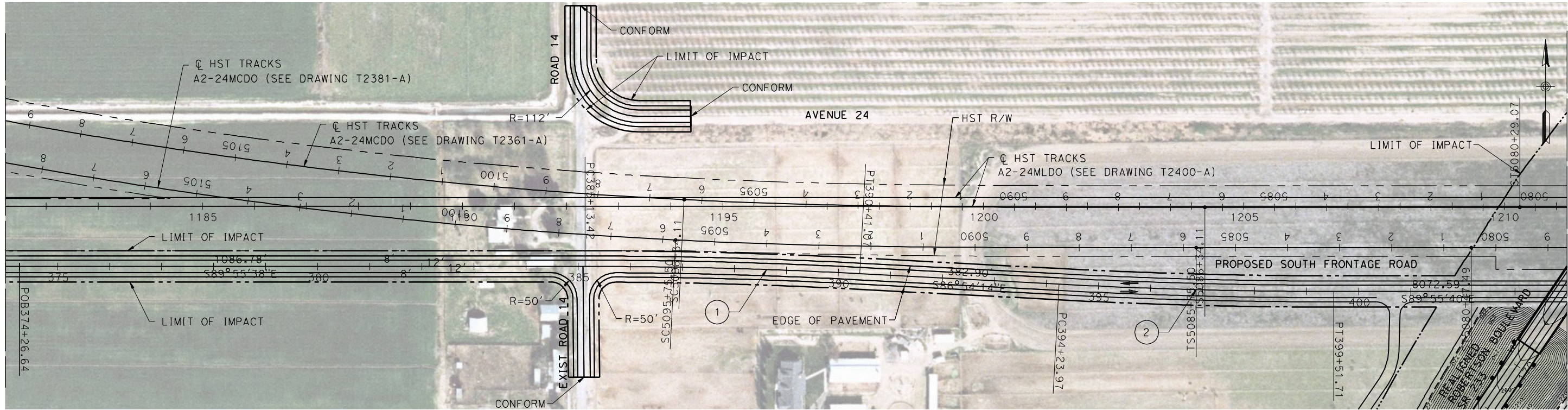
UPRR/SR99 MAINLINE - (WC)  
SOUTH FRONTAGE ROAD  
LAYOUT  
STA 333+00 TO STA 374+00

CONTRACT NO.	HSR06-007
DRAWING NO.	CR9163-B
SCALE	AS SHOWN
SHEET NO.	### OF ###



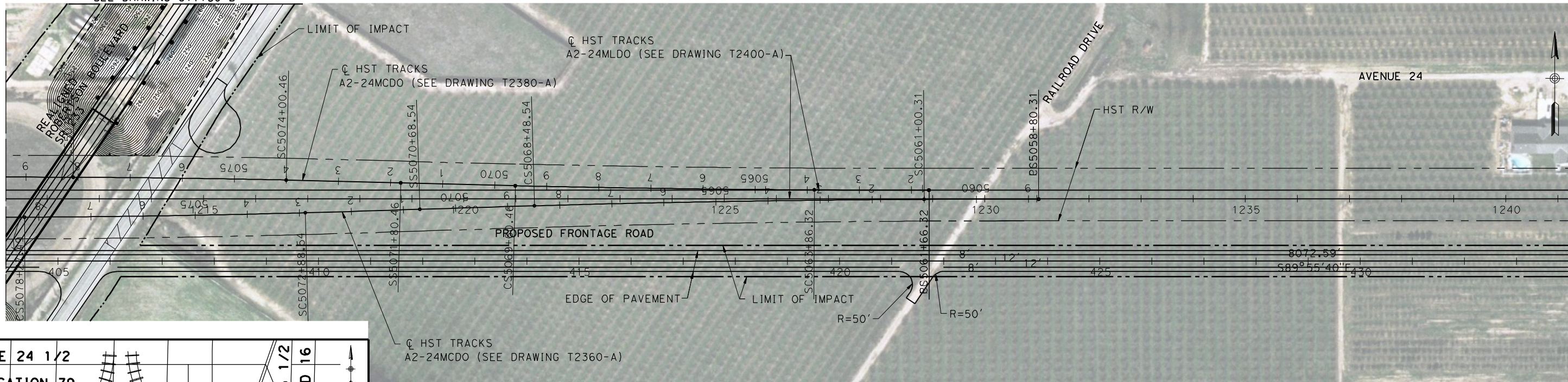
3/27/2012 1:20:47 PM \\usstc2fp001\projects\60022962\task-03\_merced-fresno\cadd\civil\design\santa clara\delosreyesc\15%\_roadway\_revisions\vol iii final submittal\roadway\sheet\package 2  
USER=ReyesC1

MATCH LINE STA 374+00  
SEE DRAWING CR9163-B

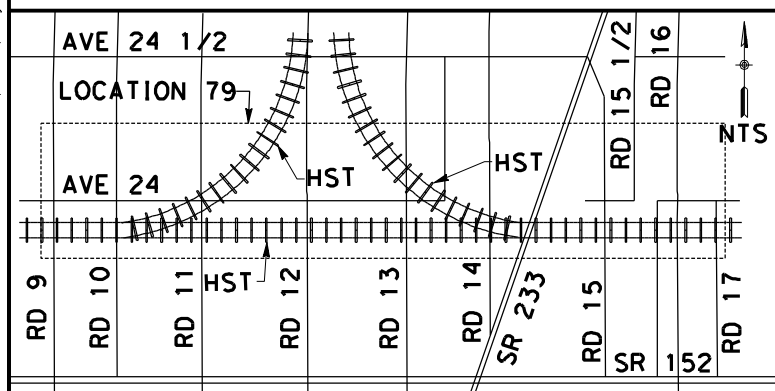


MATCH LINE STA 404+00  
SEE BELOW LEFT

MATCH LINE STA 404+00  
SEE ABOVE RIGHT

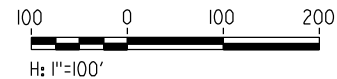


MATCH LINE STA 434+00  
SEE DRAWING CR9165-B



CURVE DATA

No.	R	$\Delta$	T	L
①	10000.00	3°01'24"	263.88	527.65
②	10000.00	3°01'25"	263.93	527.74



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
06/30/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2M HILL**



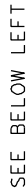
**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**

UPRR/SR99 MAINLINE DO/MERCED DO - (WC)  
LOCAL ROAD - FRONTAGE ROAD  
LAYOUT  
STA 374+00 TO STA 434+00

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9164-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###





DESIGNED BY	D. AYELE
DRAWN BY	C. DELOS REYES
CHECKED BY	A. SILVER
IN CHARGE	A. BOONE
DATE	04/29/2011

**NOT FOR  
CONSTRUCTION**

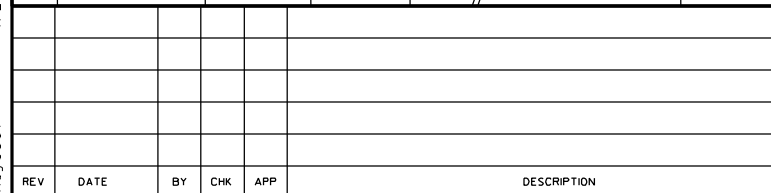
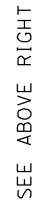
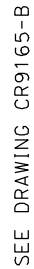
2020 L Street, Suite 300  
Sacramento, CA 95811



UPRR/SR99 MAINLINE DO - (WC)  
LOCAL ROAD - FRONTAGE ROAD & AVENUE 24  
LAYOUT  
STA 434+00 TO STA 440+00

CONTRACT NO.	HSR06-007
DRAWING NO.	CR9165-B
SCALE	AS SHOWN
SHEET NO.	#### OF ####





**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

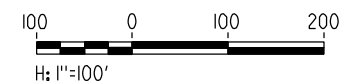
**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811

**CH2MHILL**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**  
UPRR/SR99 MAINLINE DO - (WC)  
LOCAL ROAD - FRONTAGE ROAD  
LAYOUT

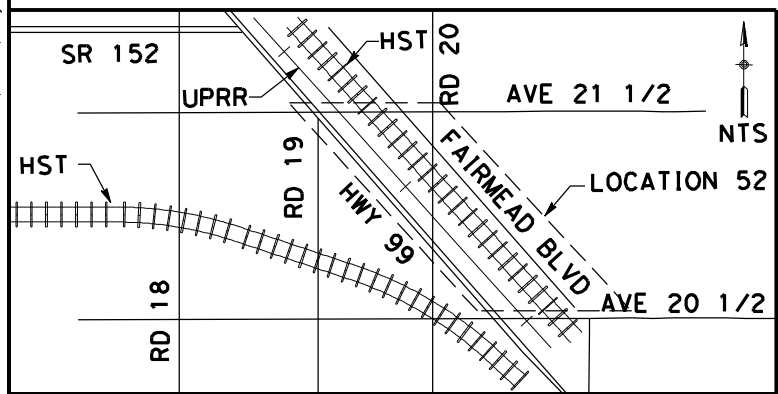
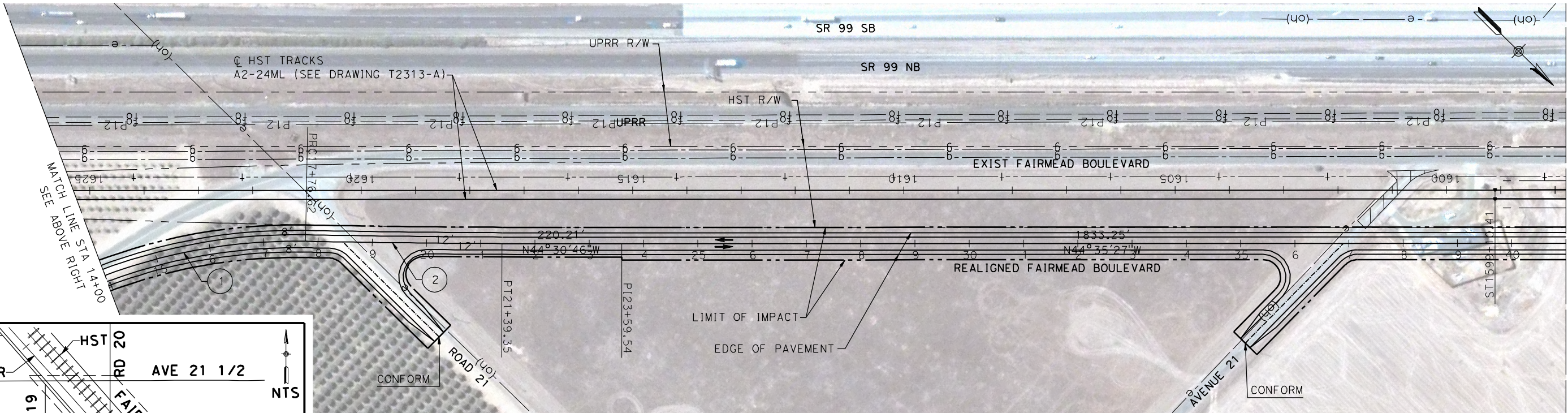
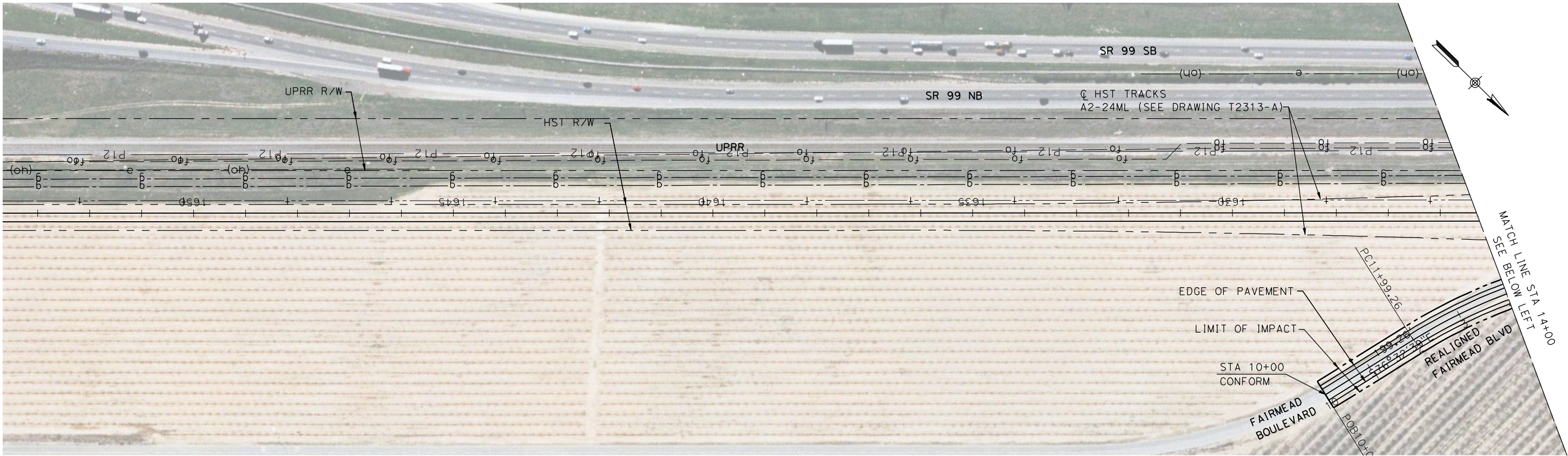
CONTRACT NO.	HSR06-007
DRAWING NO.	CR9166-B
SCALE	AS SHOWN
SHEET NO.	#### OF ####



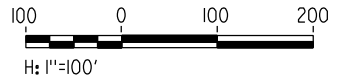


3/27/2012 1:22:03 PM \\usstc2fp001\projects\60022962\task-03\_merced-fresno\cadd\civil\design\santa clara\delosreyesc\15%\_roadway\_revisions\vol iii final submittal\roadway\sheet\package 2

USER=ReyesC1



CURVE DATA				
No.	R	$\Delta$	T	L
①	1000.00	33°04'50"	296.98	557.36
②	24039.61	0°51'52"	181.37	362.73



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
06/30/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**

**NOT FOR**  
**CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811

**CH2M HILL**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
UPRR/SR99 MERCED - (WC)  
FAIRMEAD BLVD  
LAYOUT  
SHEET 1 OF 5

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9167-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###



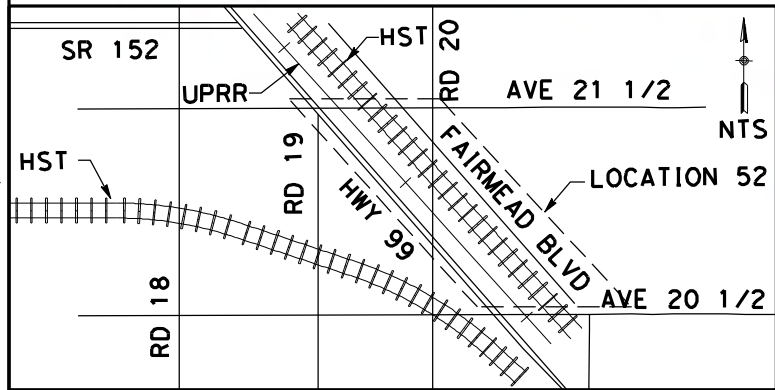
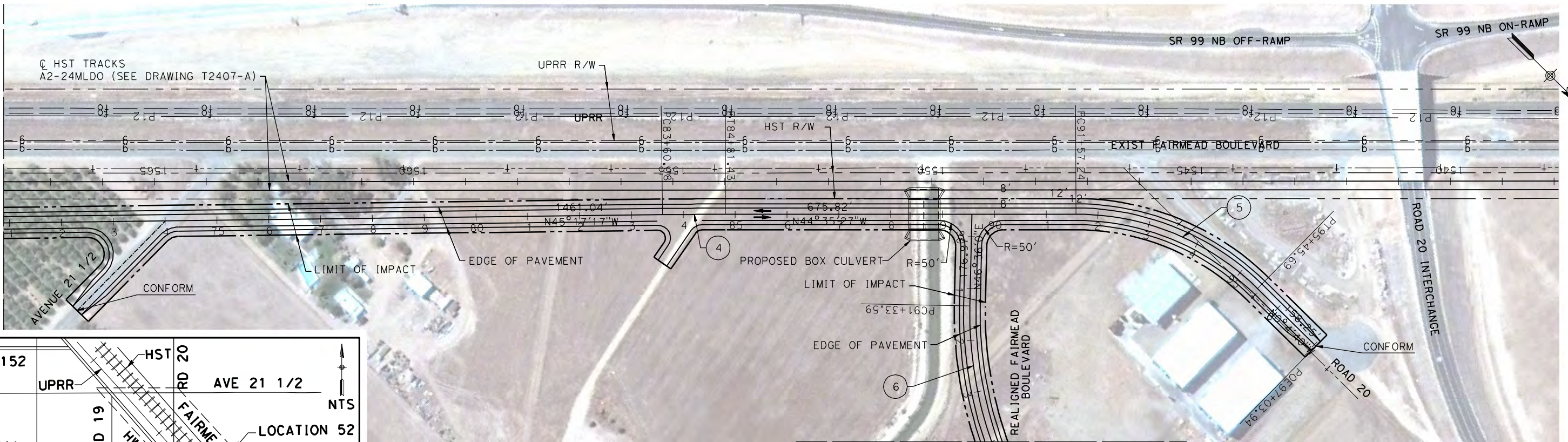
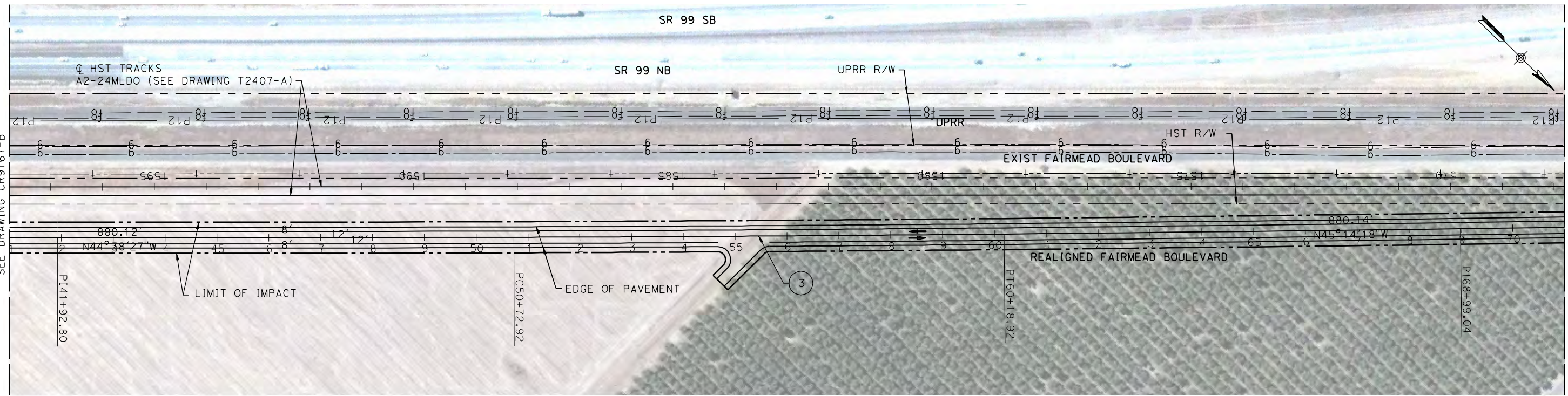
4/27/2011 7:15:02 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye-w.chowchilla local roads\layout\CR9168-B.dgn

ReyesC1

MATCH LINE STA 41+00  
SEE DRAWING CR9167-B

MATCH LINE STA 71+00  
SEE ABOVE RIGHT

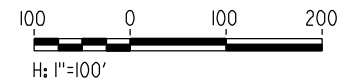
MATCH LINE STA 71+00  
SEE BELOW LEFT



CURVE DATA

No.	R	$\Delta$	T	L
(3)	150046.75	0°21'40"	473.00	945.99
(4)	9970.00	0°41'51"	60.67	121.35
(5)	500.00	44°30'47"	204.62	388.45
(6)	750.00	46°36'00"	323.00	609.99

MATCH LINE STA 94+00  
SEE DRAWING CR9169-B



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

RECORD SET  
15% DESIGN  
SUBMITTAL  
  
NOT FOR  
CONSTRUCTION

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**



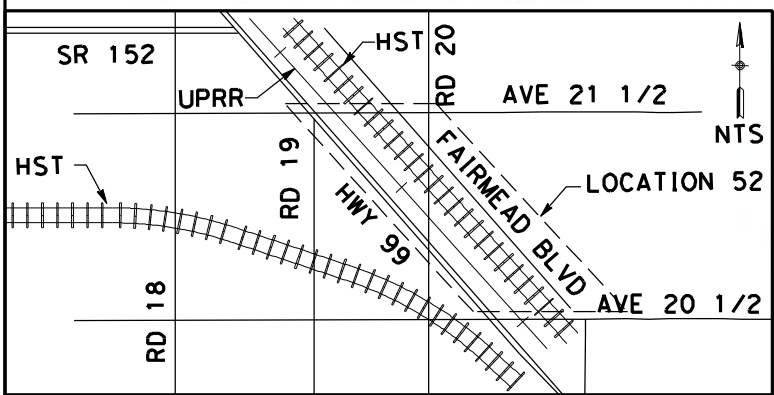
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**  
UPRR/SR99 MERCED - (WC)  
FAIRMEAD BLVD  
LAYOUT  
SHEET 2 OF 5

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9168-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###

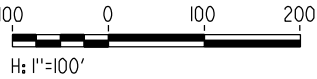


4/27/2011 7:15:30 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye-w.chowchilla local roads\Layout\CR9169-B.dgn

MATCH LINE STA 94+00  
SEE DRAWING CR9168-B



CURVE DATA				
No.	R	$\Delta$	T	L
(6)	750.00	46° 36' 00"	323.00	609.99



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**



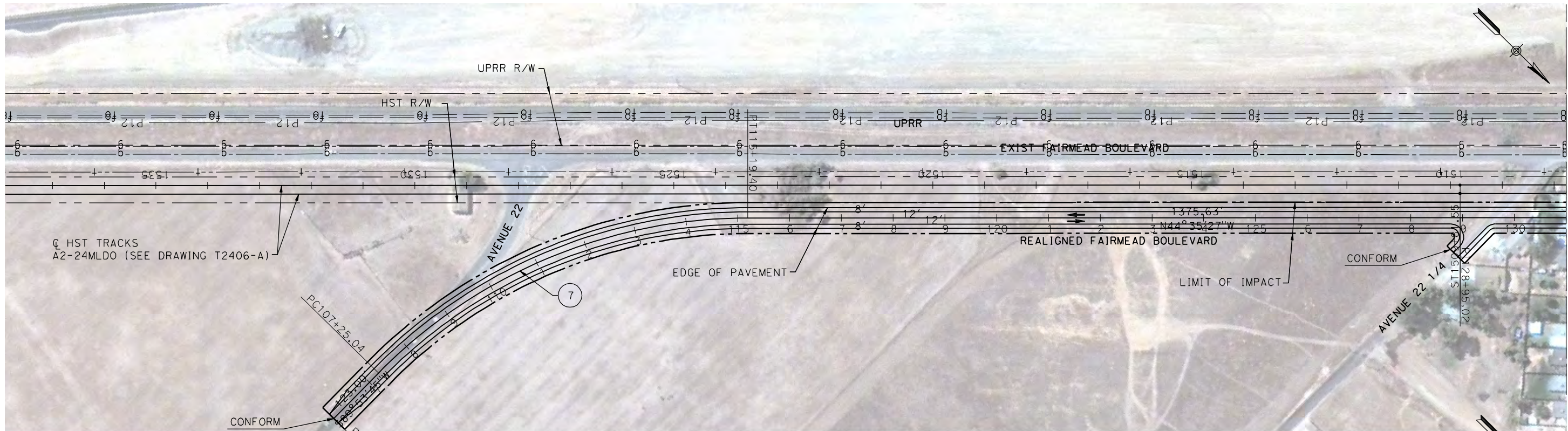
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
UPRR/SR99 MERCED - (WC)  
FAIRMEAD BLVD  
LAYOUT  
SHEET 3 OF 5

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9169-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###

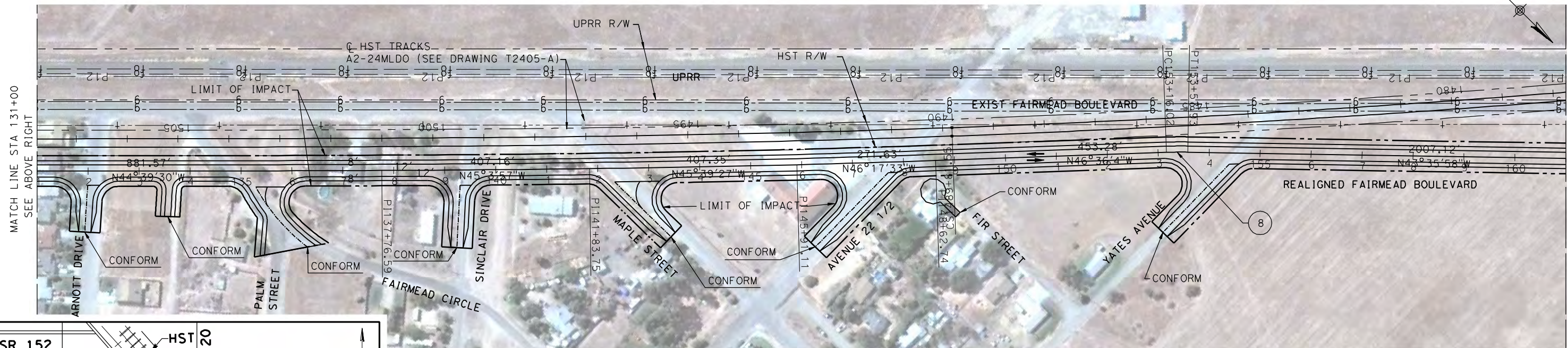


4/27/2011 7:16:18 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye-w.chowchilla local roads\Layout\CR9170-B.dgn

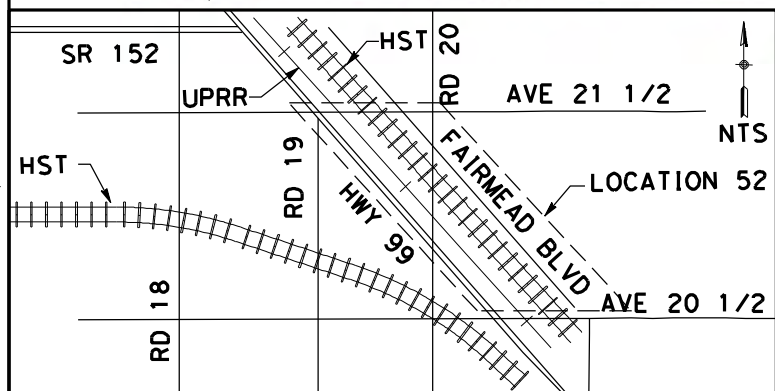
ReyesC1



MATCH LINE STA 131+00  
SEE BELOW LEFT

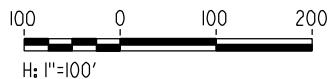


MATCH LINE STA 161+00  
SEE DRAWING CR9171-B



CURVE DATA

No.	R	$\Delta$	T	L
⑦	1000.00	45°30'48"	419.47	794.36
⑧	800.00	3°00'06"	20.96	41.91



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
UPRR/SR99 MERCED - (WC)  
FAIRMEAD BLVD  
LAYOUT  
SHEET 4 OF 5

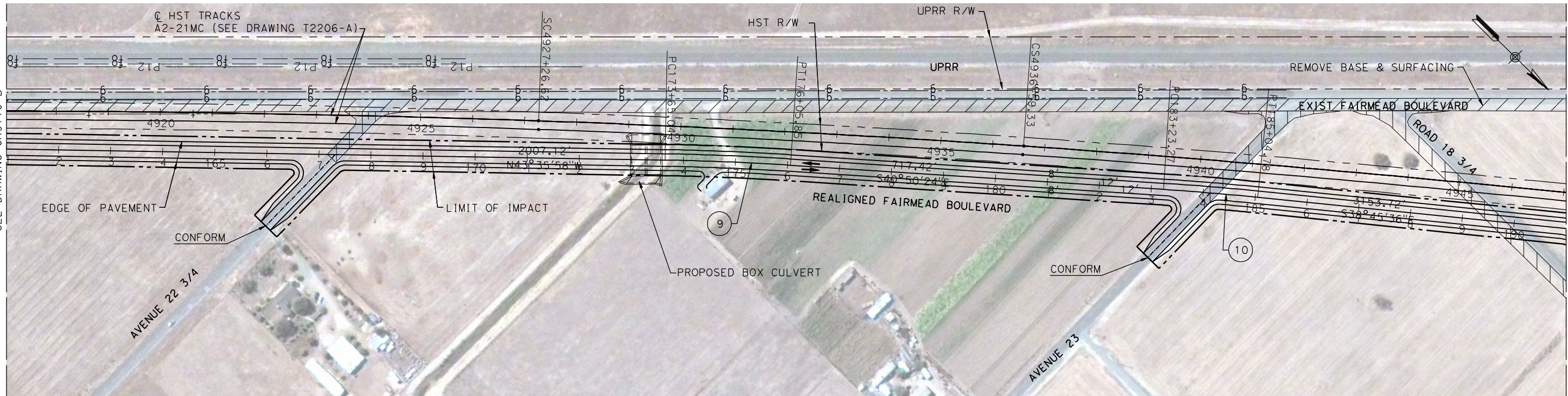
CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9170-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###



4/27/2011 7:16:53 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye-w.chowchilla\layout\CR9171-B.dgn

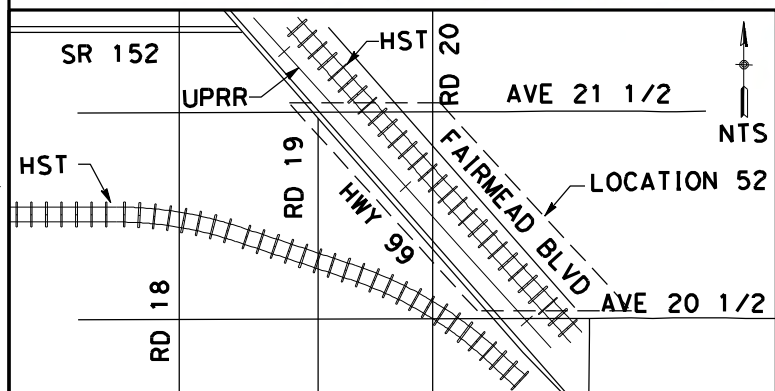
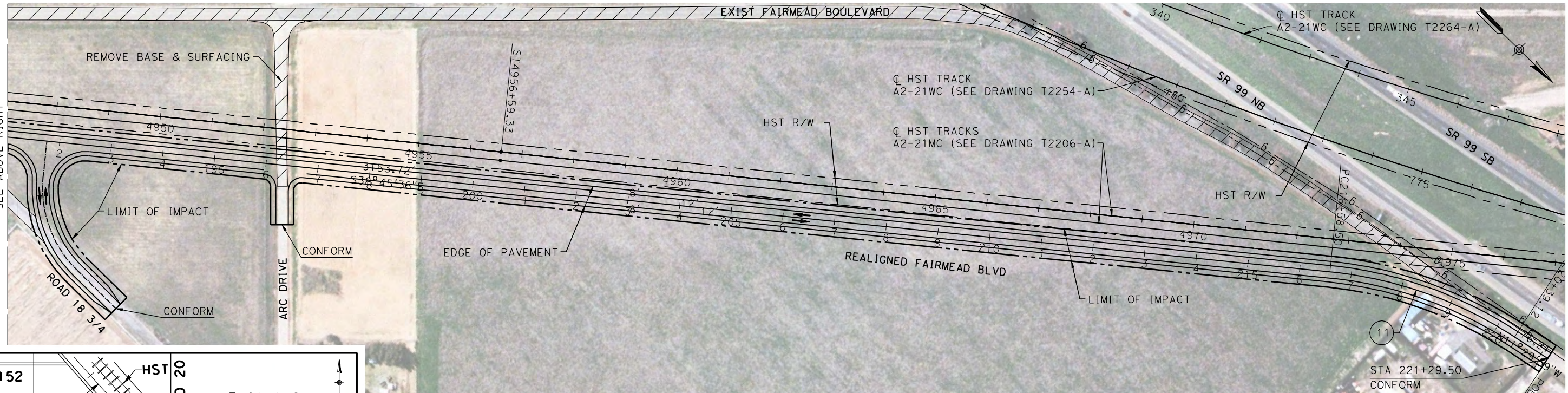
ReyesC1

MATCH LINE STA 161+00  
SEE DRAWING CR9170-B



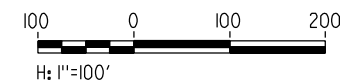
MATCH LINE STA 191+00  
SEE BELOW LEFT

MATCH LINE STA 191+00  
SEE ABOVE RIGHT



CURVE DATA

No.	R	$\Delta$	T	L
(9)	5000.00	02°45'34"	120.43	240.81
(10)	5000.00	2°04'48"	90.76	181.51
(11)	800.00	27°15'37"	193.99	380.63



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

**RECORD SET  
15% DESIGN  
SUBMITTAL**

**NOT FOR  
CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**



**CALIFORNIA**  
HIGH-SPEED RAIL AUTHORITY

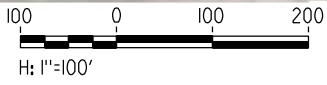
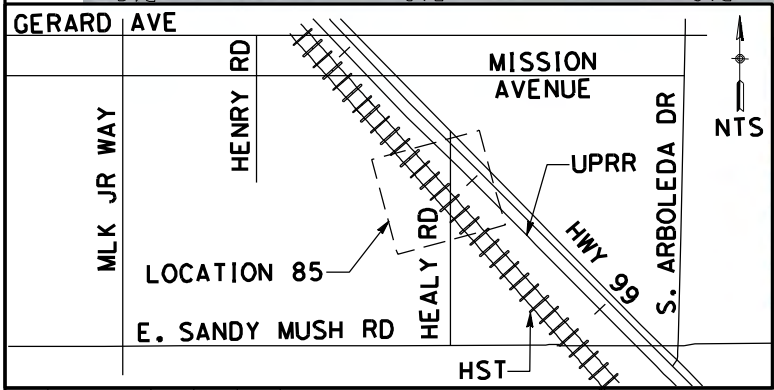
**CALIFORNIA HIGH-SPEED TRAIN PROJECT  
MERCED TO FRESNO**  
UPRR/SR99 MERCED - (WC)  
FAIRMEAD BLVD  
LAYOUT  
SHEET 5 OF 5

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9171-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###



4/27/2011 7:18:33 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye-w.chowchilla local roads\Layout\CR9176-B.dgn

ReyesC1



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**

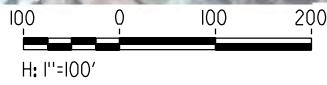
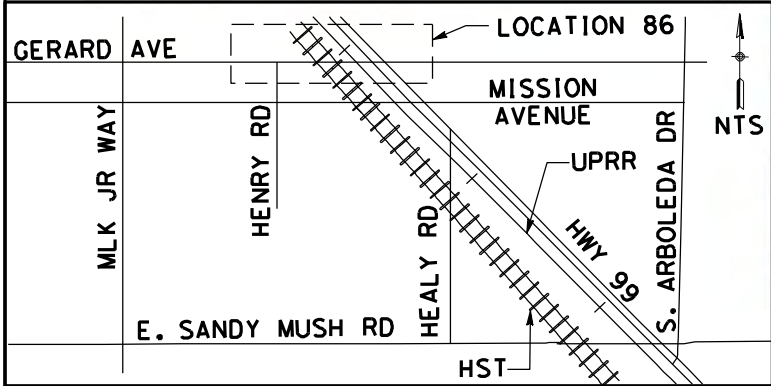


**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
UPRR/SR99 MERCED - (AVE 24/WC)  
HEALY ROAD  
LAYOUT

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9176-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###



4/27/2011 7:18:47 PM p:\60022962\task 02\_merced-fresno\cadd\civil\sheet\package 2 - ave 24 wye & w. chowchilla\volume 3b - ave 24 wye-w.chowchilla local roads\Layout\CR9177-B.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
D. AYELE  
DRAWN BY  
C. DELOS REYES  
CHECKED BY  
A. SILVER  
IN CHARGE  
A. BOONE  
DATE  
04/29/2011

**RECORD SET**  
**15% DESIGN**  
**SUBMITTAL**  
  
**NOT FOR**  
**CONSTRUCTION**

**AECOM**  
Technical Services, Inc.  
2020 L Street, Suite 300  
Sacramento, CA 95811  
**CH2MHILL**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**MERCED TO FRESNO**  
UPRR/SR99 MERCED - (AVE 24/WC)  
GERARD AVENUE/CALTRANS FRONTAGE ROAD  
LAYOUT

CONTRACT NO.  
HSR06-007  
DRAWING NO.  
CR9177-B  
SCALE  
AS SHOWN  
SHEET NO.  
### OF ###